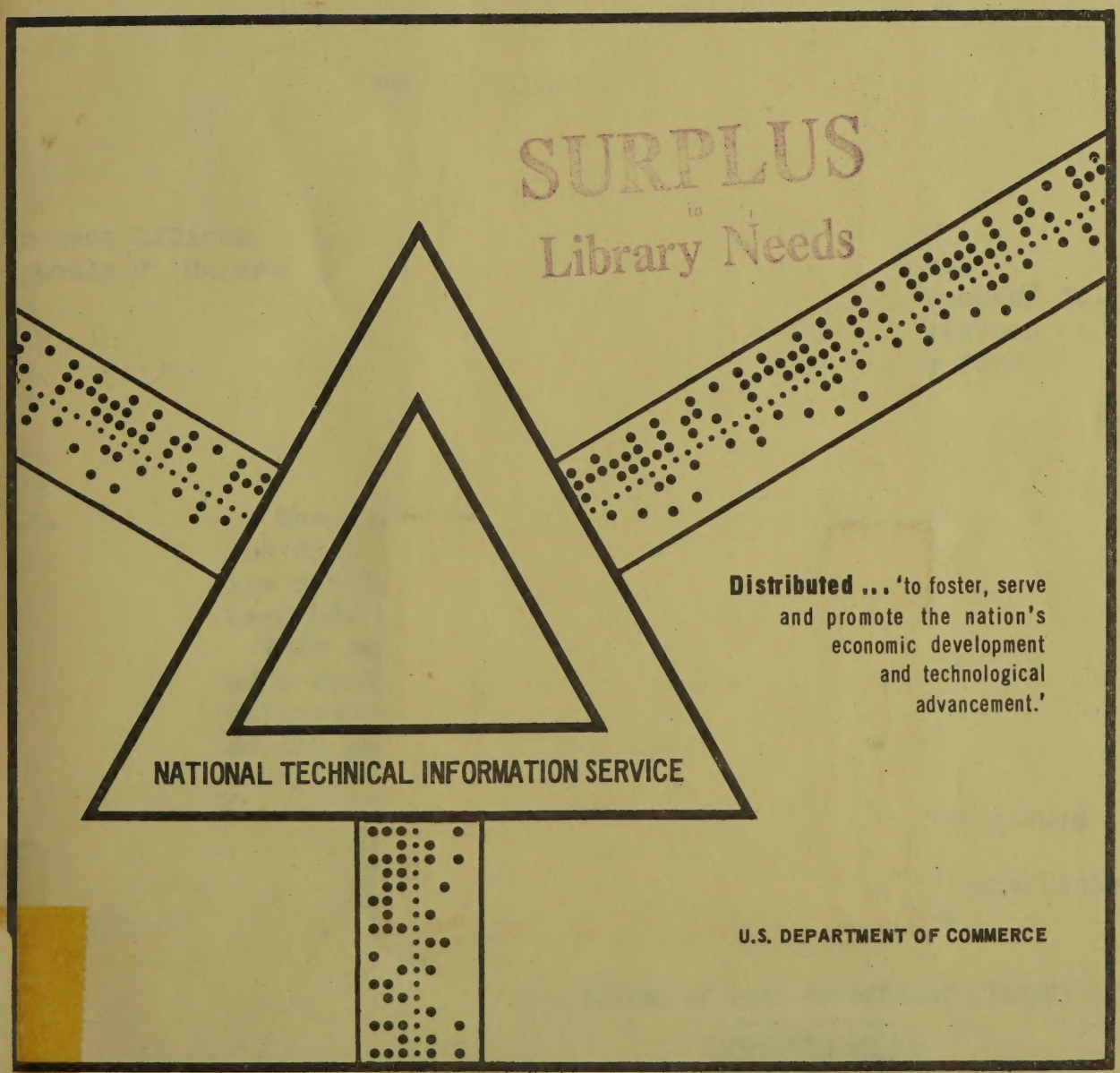
BLM LIBRARY
88001706

PB 194 197

INVENTORY INFORMATION ON PUBLIC LANDS: VOLUME I

Revised July 1970

SURPLUS
to
Library Needs



HD
216
.P82
1970
v.1

This document has been approved for public release and sale.

Bureau of Land Management
Library
Bldg. 50, Denver Federal Center
Denver, CO 80225

LIBRARY
Bureau of Reclamation
Denver, Colorado

c-1

KF
5602 Inventory information on
.I62 public lands.
v.1

#5236121
ID 88001706

1 up Only

PB194197

HD
216
.P82
1970
v.1

INVENTORY INFORMATION ON PUBLIC LANDS

VOLUME I

A Study Prepared by the Staff of the
Public Land Law Review Commission
Milton A. Pearl, Director

Revised July 1970

Project Officer
Louis C. Hermel

Assisted by
Melvin Yuhas
Douglas Harnish, Jr.
Frank W. Clayton
Florentine Ford

Vm. 71-334

The opinions, findings, conclusions, and data expressed in this publication are not necessarily those of the Public Land Law Review Commission.

This publication constitutes only one of a number of sources of information utilized by the Commission in the conduct of its public land study program.

Reproduced by
NATIONAL TECHNICAL
INFORMATION SERVICE
Springfield, Va. 22151

Bureau of Land Management
Library
Bldg. 50, Denver Federal Center
Denver, CO 80225

BUREAU OF LAND MANAGEMENT LIBRARY
Denver, Colorado
88001706

FOREWORD i

LETTER OF TRANSMITTAL iv

THE COMMISSION vi

STAFF vii

ADVISORY COUNCIL viii

GOVERNORS' REPRESENTATIVES xi

COMMISSION BACKGROUND xiv

TABLE OF CONTENTS xvi

FOREWORD

This manuscript is one of a series which was prepared for the Public Land Law Review Commission as part of its data base in forming the recommendations for future public land policies that have been forwarded to Congress and the President of the United States in our report titled One Third of the Nation's Land.[1/]

In establishing the Public Land Law Review Commission in September 1964, Congress declared the following policy: That the public lands of the United States shall be (a) retained and managed or (b) disposed of, all in a manner to provide the maximum benefit for the general public. It also directed that a comprehensive review be made of the public land laws and the related administrative rules and regulations to determine whether and to what extent revisions are necessary to accomplish the stated policy objective.

Considerable evidence pointed to the need for such a review. Dating back in some cases to the birth of the nation, our public land laws have developed over a long period of years through a series of Acts of Congress which are not fully correlated with each other. Administration of the public lands and the related laws has been divided among several agencies of the Federal Government. Quite possibly, these laws and the manner in which they are administered may be inconsistent with one another and inadequate to meet the current and future needs of the American people.

The Commission was instructed to:

1. Study existing statutes and regulations governing the retention, management, and disposition of the public lands;

2. Review the policies and practices of the Federal agencies charged with administrative jurisdiction over such lands insofar as such policies and practices relate to the retention, management, and disposition of those lands;

[1/] Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. - Price $4.50.

3. Compile data necessary to understand and determine the various demands on the public lands which now exist within the foreseeable future; and

4. Recommend such modifications in existing laws, regulations, policies and practices as will, in the judgment of the Commission, best serve to carry out the policy objective.

To fulfill these requirements, the staff was charged with the responsibility of performing or having performed the appropriate research and of then presenting to the Commission all the information and data necessary as a foundation for the Commission's deliberations, conclusions and recommendations. A study program encompassing various subject areas was undertaken and separate manuscripts were prepared covering each of 33 separate topics.

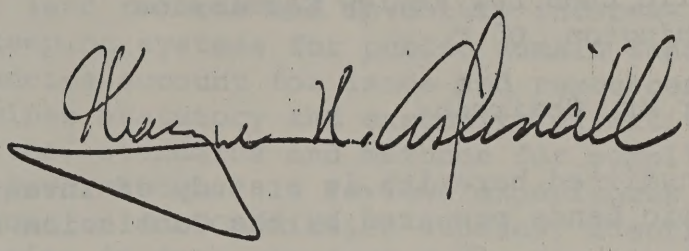
In fulfillment of a policy of maintaining the smallest technical and professional staff possible, most of the studies were accomplished under contract with individuals, institutions such as universities, and research organizations; a few of the studies and analyses were accomplished in-house by the Commission staff, some with consultant assistance.

Thus, while we reviewed the whole body of public land laws at one time, each study was designed to examine only a portion of the public lands complex and should be utilized with this understanding. There is, therefore, an interrelationship among the studies and the resultant manuscripts that will require review and examination of more than one report in order to obtain a complete view of any one aspect of public land law and administration.

Each manuscript was transmitted from the staff with a letter discussing the content of the report and setting forth the policy matters to be considered with respect to the particular subject. A copy of the letter of transmittal for this report has been made a part of this volume in order to assist in the understanding of the approach.

These manuscripts served an extremely useful purpose in providing a common base for discussion in the Commission and between the Commission and its Advisory Council and the representatives of the 50 governors. We believe that they will also be valuable as reference works, not only on Federal

public land matters but concerning all of our natural resources, for use by all levels of government -- Federal, state, and local -- and the academic community as well as those who are interested in the tremendous natural resources that we, as a nation, possess.



Wayne N. Aspinall
Chairman

Public Land Law Review Commission

1730 K Street, N.W.
Washington, D. C. 20006

August 15, 1970

Honorable Wayne N. Aspinall
Chairman
Public Land Law Review Commission
Washington, D. C.

Dear Mr. Chairman:

Transmitted herewith is a study of Inventory Information on Public Lands prepared by the Commission staff.

This report was originally submitted to you with our letter of January 9, 1970. After you made copies available to the members of the Commission and the Advisory Council and Governors' Representatives the manuscript was reviewed and comments were received from the Advisory Council and Governors' Representatives.

These comments 1/ were reviewed by the staff and those corrections deemed necessary have been incorporated in the study report as now republished in one volume by the Clearinghouse for Federal Scientific and Technical Information.

Although the information presented here was taken from other study reports of the Commission, Federal agencies initially supplied most of the data for this study.

Volume I includes introductory materials and Chapters A through L, which present data for each major function or commodity area. Chapter A covers land status, cessions and acquisitions to the public domain, exchanges, dispositions, grants, revenue sharing, payment in lieu of taxes, trespass, withdrawals and reservations, and state, county and local government lands. Chapters B through L present data for specific commodity areas of forage, timber, nonfuel minerals, energy fuels, water, recreation, fish and wildlife, intensive agriculture, and special subjects including Alaska, the Outer Continental Shelf, and use and occupancy.

The data in each chapter of this part have been organized in the following general order: (1) areal extent; (2) existing stock

1/ The comments referred to are part of the official files of the Commission. When the Commission ceases to exist these files will be deposited with the National Archives, Washington, D. C.

of resources; (3) resource use and associated Governmental activity; and (4) rates for resource use, receipts for use, value of resources, and related Government expenditures.

Volume II deals with public land records and inventory information, describing record keeping systems for public domain lands, and the way the major agencies account for lands and resources they administer. It examines statutory and executive directives as well as agency objectives, standards and methods for compiling and using land inventory information. It reviews experiences in gathering inventory information for Commission studies, identifies some of the deficiencies in data required for policy evaluation, and cites areas for which needed data are missing. Finally it proposes policy modifications or alternatives suggested by the problems and deficiencies disclosed.

The Project Officer of this study was Louis C. Hermel, assisted by Melvin Yuhas, Douglas H. Harnish, Jr., Frank W. Clayton, and Florentine Ford.

Sincerely,

Milton A. Pearl
Director

THE COMMISSION

Chairman

Representative Wayne N. Aspinall, Colorado

United States Senate	House of Representatives
Gordon Allott, Colorado	Walter S. Baring, Nevada
Clinton P. Anderson, New Mexico	Laurence J. Burton, Utah
Alan Bible, Nevada	John H. Kyl, Iowa*
Paul J. Fannin, Arizona	John P. Saylor, Pennsylvania
Henry M. Jackson, Washington	Roy A. Taylor, North Carolina
Len B. Jordan, Idaho	Morris K. Udall, Arizona

Presidential Appointees

H. Byron Mock, Vice Chairman
Salt Lake City, Utah

Robert Emmet Clark
Professor of Law
The University of Arizona
Tucson, Arizona

Philip H. Hoff
Burlington, Vermont

Maurice K. Goddard
Secretary of Forests
and Waters
Harrisburg, Pennsylvania

Laurance S. Rockefeller
President
Rockefeller Brothers Fund
New York, New York

Nancy E. Smith
Supervisor, Fifth District
County of San Bernardino
San Bernardino, California

Former Members

Mrs. John Glessner Lee, Farmington, Conn., from its inception until August 1965.
Senator Thomas H. Kuchel, Calif., from its inception until January 1961.
Representative John Kyl, Iowa, from its inception until January 1965 and was reappointed in January 1967.
Representative Leo W. O'Brien, New York, from its inception until August 1966.
Representative Compton I. White, Jr., Idaho, from its inception until January 1967.
Representative Rogers C. B. Morton, Maryland - February 1965 - January 1967.
Representative Walter Rogers, Texas - July 1965 - January 1967.
Representative Ralph J. Rivers, Alaska - August 1966 - January 1967.

*Served from inception until January 1965; reappointed in January 1967.

STAFF

Director
Milton A. Pearl

Assistant to the Director and General Counsel
Elmer F. Bennett

Assistant Director
Charles Conklin

Legal
Jerome C. Muys, Chief and Assistant General Counsel
Jerry L. Haggard
Joe W. Ingram
Thomas C. Lee
Joseph M. McDonald

Administrative
Thomas J. Cavanaugh, Assistant to the General Counsel
JoAnn Harte, Editorial Assistant
Edward F. Kerr, Information Officer
James P. McAleer, Contract Specialist
Arthur B. Meyer, Editor
Pennie Paynich, Administrative Officer

Resources and Evaluation
Dennis A. Rapp, Chief
Perry R. Hagenstein, Assistant Chief
Andrew Mayer, Assistant Chief
Frank W. Clayton
M. Florentine Ford
Douglas Harnish, Jr.
Louis C. Hermel
Eugene E. Hughes
Robert J. Lavell
S. Lawrence Lissner
Val Payne
Don A. Seastone
Frank H. Skelding
Thomas R. Waggener
Melvin L. Yuhas

Secretarial and Clerical
Inez H. Jarvis, Administrative Assistant to the Director

Anne Cohen

Marjorie Melin

Michael Halpin

Listed above is the professional staff as constituted in August 1969 when the initial manuscripts were being readied for publication by the Clearinghouse for Federal Scientific and Technical Information, together with the sub-professional and stenographic and clerical personnel on the staff at the time of publication of this report.

Harry L. Moffett served as Assistant Director (Administration) from October 1966 to July 1969, and Leland O. Graham, Arthur D. Smith and Max M. Tharp made significant contributions as members of the staff prior to August 1969.

LIBRARY
Bureau of Reclamation
Denver, Colorado

ADVISORY COUNCIL

(Federal Liaison Members)

The following are presently members of the Advisory Council by virtue of their appointment under the provision of the Commission's organic act providing that:

> "The Chairman of the Commission shall request the head of each Federal department or independent agency which has an interest in or responsibility with respect to the retention, management, or disposition of the public lands to appoint, and the head of such department or agency shall appoint, a liaison officer who shall work closely with the Commission and its staff in matters pertaining to this Act."

Department of Defense
William H. Point
Director
Real Property Management

Department of Justice
Shiro Kashiwa
Assistant Attorney General
Land and Natural Resources

Department of the Interior
Mitchell Melich
Solicitor

Department of Agriculture
Dr. T. K. Cowden
Assistant Secretary

Department of Commerce
Ralph L. Mecham
Federal Cochairman
Four Corners Regional Commission

Department of Housing and Urban Development
Samuel C. Jackson
Assistant Secretary for Metropolitan Development

Atomic Energy Commission
James T. Ramey
Commissioner

Federal Power Commission
John A. Carver, Jr.
Commissioner

General Services Administratic
John W. Chapman, Jr.
Deputy Administrator

(Cont.)

(Non-Federal Government Members)

These 25 members of the Advisory Council are appointed under the provisions of the Commission's organic act, which states that:

> "There is hereby established an Advisory Council, which shall consist of the liaison officers appointed under Section 5 of this Act, together with 25 additional members appointed by the Commission who shall be representative of the various major citizen's groups interested in problems relating to the retention, management, and disposition of the public lands,..."

Roscoe E. Bell
Portland, Oregon

John A. Biggs
Director
Department of Game
State of Washington
Olympia, Washington

William E. Burby
Professor of Law
California Western University
San Diego, California

Dr. Orlo E. Childs
President
Colorado School of Mines
Golden, Colorado

Bert L. Cole
Commissioner of Public Lands
State of Washington
Olympia, Washington

A. B. Curtis
Chief Fire Warden
Clearwater & Potlatch Timber
Protective Associations
Orofino, Idaho

E. K. Davis
General Counsel
Sacramento Municipal Utility Dist.
Sacramento, California

Gene Etchart
Rancher
Glasgow, Montana

Sherry R. Fisher
Vice President
Central National Bank & Tru
Des Moines, Iowa

Charles H. W. Foster
Consultant
The Conservation Foundatior
Washington, D. C.

W. Howard Gray
Chairman
Public Lands Committee
American Mining Congress
Reno, Nevada

C. R. Gutermuth
Vice President
Wildlife Management Institu
Washington, D. C.

Lloyd E. Haight
Vice President & General
Counsel
J. R. Simplot Company
Boise, Idaho

Robert E. Lee Hall
Senior Vice President
National Coal Association
Washington, D. C.

Clarence E. Hinkle
Practicing Attorney
Roswell, New Mexico

Samuel S. Johnson
President
Jefferson Plywood Company
Redmond, Oregon

(Non-Federal Government Members)

Thomas G. Kelliher
Vice President & General
Manager, Southern Division
Getty Oil Company
Houston, Texas

Frederic L. Kirgis
Practicing Attorney
Denver, Colorado

John Marvel
Rancher
Battle Mountain, Nevada

Clifford G. McIntire
American Farm Bureau
Federation
425 - 13th St., NW
Washington, D. C.

Bernard L. Orell
Vice President
Weyerhaeuser Company
Tacoma, Washington

Bruce Renwick
Vice President & General
Counsel
Southern California
Edison Company
Los Angeles, California

Fred Smith
Businessman; Trustee
Jackson Hole Preserve, Inc.
New York, N.Y.

H. A. "Dave" True, Jr.
Chief Executive Officer
True Oil Company
Casper, Wyoming

Michael F. Widman, Jr.
Director
Research & Marketing Dept.
United Mine Workers of
America
Washington, D. C.

GOVERNORS' REPRESENTATIVES

The Commission's Organic Act states that "The Chairman of the Commission shall invite the Governor of each State to designate a representative to work closely with the Commission and its staff and with the Advisory Council in matters pertaining to this Act". The following are serving as representatives of the Governors of the respective States at this time:

ALABAMA
Joe W. Graham
Director
Department of Conservation
Montgomery, Alabama

ALASKA
Robert L. Hartig
Assistant Attorney General
Anchorage, Alaska

ARIZONA
Floyd N. Smith
Vice President
Salt River Project
Phoenix, Arizona

ARKANSAS
H. Y. Rowe, Esq.
El Dorado, Arkansas

CALIFORNIA
Norman B. Livermore, Jr.
Administrator
The Resources Agency of Calif.
Sacramento, California

COLORADO
Stephen H. Hart
Denver, Colorado

CONNECTICUT
Joseph N. Gill
Commissioner
Department of Agriculture
and Natural Resources
Hartford, Connecticut

DELAWARE
Rudolph Jass
Director
Delaware State Planning Office
Dover, Delaware

FLORIDA
Ney Landrum
Director
Florida Outdoor Recreational
Development Council
Tallahassee, Florida

GEORGIA
H. Oliver Welch
State Planning Officer
Atlanta, Georgia

HAWAII
Sunao Kido
Chairman
State Board of Land &
Natural Resources
Honolulu, Hawaii

IDAHO
Gordon Trombley
State Land Commissioner
Boise, Idaho

ILLINOIS
William L. Rutherford
Director
Department of Conservation
Springfield, Illinois

INDIANA
Perley H. Provost, Jr.
Director
Department of Natural Resource
Indianapolis, Indiana

IOWA
Everett B. Speaker
Director
State Conservation Commission
Des Moines, Iowa

KANSAS
Newell A. George
Kansas City, Kansas

KENTUCKY
Joseph C. DeWeese
Director, Washington Office
Commonwealth of Kentucky
Washington, D. C.

LOUISIANA
Ellen Bryan Moore (Mrs.)
Register of Lands
Baton Rouge, Louisiana

MAINE
Lawrence Stuart, Director
State Park & Recreation
Commission
Augusta, Maine

MARYLAND
Spencer P. Ellis, Director
Department of Forests &
Parks
Annapolis, Maryland

MASSACHUSETTS
Robert L. Yasi
Chief Secretary to the
Governor
Executive Department
Boston, Massachusetts

MICHIGAN
Joseph D. Stephansky
Chief, Lands Division
Department of Natural Resources
Lansing, Michigan

MINNESOTA
Clarence Buckman
Deputy Commissioner of
Conservation
St. Paul, Minnesota

MISSISSIPPI
John Land McDavid
Jackson, Mississippi

MISSOURI
Robert L. Dunkeson, Exec. Sec.
Inter-Agency Council for
Outdoor Recreation
Jefferson City, Missouri

MONTANA
Ted Schwinden
Commissioner
Helena, Montana

NEBRASKA
Willard R. Barbee, Director
Nebraska Game and Parks
Commission
Lincoln, Nebraska

NEVADA
Elmo J. DeRicco, Director
Department of Conservation
and Natural Resources
Carson City, Nevada

NEW HAMPSHIRE
J. Willcox Brown, Member
New Hampshire Water Resour
Board
Concord, New Hampshire

NEW JERSEY
Joseph T. Barber
Acting Commissioner
Department of Conservation
and Economic Development
State of New Jersey
Trenton, New Jersey

NEW MEXICO
Reuben Pankey
Truth or Consequences, N.M

NEW YORK
Charles LaBelle
Department of Conservation
Albany, New York

NORTH CAROLINA
Ralph C. Winkworth
Department of Conservation
and Development
Raleigh, North Carolina

NORTH DAKOTA
Clifford M. Jochim
Special Assistant
State Water Commission
Bixmarck, North Dakota

OHIO
Fred E. Morr
Department of Natural
Resources
Columbus, Ohio

OKLAHOMA
Bill Sharp
c/o Commissioners of
the Land Office
Oklahoma City, Oklahoma

OREGON
Robert F. Smith
Speaker of the House
of Representatives
Salem, Oregon

PENNSYLVANIA
Irving Hand
Executive Director
State Planning Board
Harrisburg, Pennsylvania

RHODE ISLAND
Adolph T. Schmidt, Director
Rhode Island Development Council
Providence, Rhode Island

SOUTH CAROLINA
Daniel R. McLeod
Attorney General
Columbia, South Carolina

SOUTH DAKOTA
Ingebert Fauske
Quinn, South Dakota

TENNESSEE
William Slayden (Col.)(USA-Ret.)
Deputy Commissioner
Department of Conservation
Nashville, Tennessee

TEXAS
Jerry Sadler
Land Commissioner
General Land Office
Austin, Texas

UTAH
Glen M. Hatch
Counsel
Mountain Fuel Supply Compa
Salt Lake City, Utah

VERMONT
Belmont Pitkin
Coordinator of Land Use
Goddard College
Plainfield, Vermont

VIRGINIA
Marvin M. Sutherland
Director
Department of Conservation
and Economic Development
Richmond, Virginia

WASHINGTON
Bert L. Cole
Commissioner of Public Lan
Olympia, Washington

WEST VIRGINIA
T. R. Samsell, Director
Department of Natural
Resources
Charleston, West Virginia

WISCONSIN
Robert W. Warren
Attorney General
Madison, Wisconsin

WYOMING
Frank C. Mockler
Lander, Wyoming

PUBLIC LAND LAW REVIEW COMMISSION

Background

The public lands of America date back to the time of the Union's formation. Then, and soon thereafter, seven of the original States ceded to the Central Government some 233.4 million acres of land lying westward to the Mississippi River. Thereafter, through purchase and treaty, the United States acquired an additional billion acres of public domain, the last acquisition being the purchase of Alaska from Russia in 1867. Altogether, nearly 2 billion acres of land in 32 States have been part of the public domain at one time or another.

At first, these lands were sold for their revenue. Eventually, however, as the pioneers swept westward, the revenue-raising policy was replaced by one stressing settlement and development of the land. The Homestead Act of 1862 was the first of a series of settlement and development laws enacted over a period of some 60 years - the desert land law, mining laws, and the various homestead laws - all designed to meet a particular need of the period. Meanwhile, many millions of acres were transferred to private ownership through military, railroad, and other land grants, including various grants to the States.

Through these means, nearly 1.2 billion acres have passed from Federal ownership, leaving approximately 715 million acres of the original public domain lands in Federal ownership. Of these 715 million acres 364 million are in the State of Alaska. Add to this the 52 million acres acquired for various purposes, and federally owned lands today amount to approximately 770 million acres - about one-third of the Nation's total land area. Some of these lands are in national forests and some are reserved for national parks, wildlife refuges, and other specific uses; but more than half constitute the "vacant and unappropriated" public domain lands which have never left Federal ownership and have not been dedicated to a specific use pursuant to legislative authorization.

The Act establishing the Public Land Law Review Commission contains in section 10 the following definition:

As used in this Act, the term 'public lands' includes (a) the public domain of the United States, (b) reservations, other than Indian reservations, created from the public domain, (c) lands permanently or temporarily withdrawn, reserved or withheld from private appropriation and disposal under the public land laws, including the mining laws, (d) outstanding interests of the United States in lands patented, conveyed in fee or otherwise, under the public land laws, (e) national forests, (f) wildlife refuges and ranges, and (g) the surface and subsurface resources of all such lands, including the disposition or restriction on disposition of the mineral resources in lands defined by appropriate statute, treaty, or judicial determination as being under the control of the United States in the Outer Continental Shelf.

Working with the Commission are a 33-member Advisory Council and the representatives of the 50 State Governors.

TABLE OF CONTENTS

	Page
INTRODUCTION	xvii
Part I - INVENTORY DATA	1
Section A - General Inventory Data	1
1. Section 10 Lands	5
2. All Federally-owned Lands	10
3. Cessions, Acquisitions and Exchanges	15
4. Disposition and State Land Grants	27
5. Revenue Sharing and Payments in Lieu of Taxes	38
6. Trespass	40
7. Withdrawals and Reservations	43
8. State, County and Local Government Lands	49
Section B - Forage	50
Section C - Timber	61
Section D - Nonfuel Minerals	74
Section E - Energy Fuels	88
Section F - Outer Continental Shelf	98
Section G - Water	105
Section H - Recreation	118
Section I - Fish and Wildlife	137
Section J - Intensive Agriculture	151
Section K - Alaska	162
Section L - Use and Occupancy	175
Part II - PUBLIC LAND RECORDS AND INVENTORY INFORMATION: THEIR COMPILATION, MAINTENANCE AND USE	

INVENTORY INFORMATION ON PUBLIC LANDS

Introduction

This is one of a series of reports prepared for the Public Land Law Review Commission (PLLRC), established by the Act of September 19, 1964, (78 Stat. 982, 43 U.S.C. 1391-1400) to assist it in carrying out its statutory responsibility to "(i) study existing statutes and regulations governing the retention, management, and disposition of the public lands; (ii) review the policies and practices of the Federal agencies charged with administrative jurisdiction over such lands insofar as such policies and practices relate to the retention, management and disposition of those lands; and (iii) compile data necessary to understand and determine the various demands on the public lands which now exist and which are likely to exist in the foreseeable future." These reports with their related studies are designed to provide a basis for the carrying out of the statutory directive to the PLLRC to recommend to the President and the Congress "such modifications in existing laws, regulations, policies, and practices as will, in the judgment of the Commission, best serve to carry out the policy" that "the public lands of the United States shall be (a) retained and managed or (b) disposed of, all in a manner to provide the maximum benefit for the general public."

Studies prepared for the Commission have generally been accomplished by the Commission staff or by a contractor. This report was prepared by the Commission staff. It includes inventory information from all of the PLLRC study program areas and is focused on lands described in Section 10 of the Act creating the Commission, supra:

(a) the public domain of the United States, (b) reservations, other than Indian reservations, created from the public domain, (c) lands permanently or temporarily withdrawn, reserved, or withheld from private appropriation and disposal under the public land laws, including the mining laws, (d) outstanding interests of the United States in lands patented, conveyed in fee or otherwise, under the public land laws, (e) national forests, (f) wildlife refuges and ranges, and (g) the surface and subsurface resources of all such lands, including the disposition or restriction on disposition of the mineral resources in lands defined by appropriate statute, treaty, or judicial determination as being under the control of the United States in the Outer Continental Shelf.

The tables contained in the report present only basic data. No attempt is made to analyze the data in this report.

This inventory report brings together under one cover important data on land and resources needed for consideration by the Commission. They are taken from the various study reports supplemented by additional data from the Federal agencies and other published sources. As indicated by references on individual tables, Federal agencies were the principal source of data.

The report is organized into two parts. Part I is essentially a compendium of tables which present data for each major interest area. These areas of interest are: public land status, acquisitions, exchanges, dispositions, grants, revenue sharing, payment in lieu of taxes, trespass, withdrawals, reservations and state, county and local government lands. Subsequent sections present data for specific commodity areas of forage, timber, nonfuel minerals, energy fuels, water, recreation, fish and wildlife, intensive agriculture and for the areas of special interest, including Alaska, the Outer Continental Shelf, and use and occupancy.

Part II deals with public land records and inventory information. It describes the records system for public domain land and the way the major agencies account for all lands which they administer. It examines statutory and executive directives as well as agency objectives, standards and methods for compiling and using inventory information. It reviews experiences in gathering inventory information for Commission studies, indentifies some of the deficiencies for policy decisions and cites areas for which needed data are missing. Finally, it proposes policy modifications or alternatives suggested by the problems and deficiencies disclosed.

PART I

INVENTORY DATA

XX

This part of the report consists of related tables, grouped by sections, with each section preceded by a description of the contents of the tables.

The first section contains all tables of a general nature that do not pertain to any specific commodity area. Subsequent sections include tables for specific commodities and subjects of special interest.

Where information was available, the tables in each section follow a general pattern of (1) areal extent; (2) existing stock of resources; (3) resource use and associated governmental activity; and (4) rates for resource use, receipts for use, value of resources, and related Government expenditures.

These tables came from two sources: those selected or derived from information developed in studies prepared for the Commission and those prepared from data provided by Federal agencies or published sources. The tables are comprised of data primarily of an inventory or factual nature, omitting analytically oriented tables and data. For tables of an analytical nature or for more detailed data, the reader is referred to the individual studies prepared for the Commission.

Section A - General Inventory Data

This section includes all tables and plates which are of a general nature or which have data which would be applicable to consideration of two or more commodities. The acreage and distribution of all public land, as defined in Section 10, Public Law 88-606, by

State and Federal agency, is presented along with tables showing comparable information on all Federal and State lands.

Cessions of land and acquisitions of public domain are listed from time of the earliest transactions to the present. The acreage acquired, acreage exchanged, the cost of purchase, and the various patterns of geographical and agency distribution are shown for recent years. Along with acquisitions, and subsection of disposals to States, railroads, and those under various disposal acts is presented showing annual and total acreages.

Payments made to the States collectively, which accrued through revenue sharing or payment in lieu of taxes, are shown by agency and program or project source for each year of the 1957-66 period. Additional data on gross receipts and payments to the States collectively are provided for one year, 1966.

Some data are presented on cases of trespass and subsequent judicial and administrative action.

Tables are presented showing the acreage of land withdrawn and the various purposes for withdrawal.

This section is concluded with data showing land owned by State county and local governments. All land owned by the Government entity, except highway and road rights-of-way, are included (roads on large blocks of state-owned lands such as forests or parks are not excluded). Generally, large water areas and special use areas managed but not owned are excluded. Federal grant lands due States, but not yet in State ownership, are also excluded.

A - General Inventory Data

Table or Plate	
	A-1 Section 10 Lands
A-1a	Public Land as Defined by Section 10, Public Law 88-606, with Total State Land Areas, and Acres by Agency, 1968
	A-2 All Federally-owned Land
A-2a	Comparison of Total Federally Owned Land with Total State Land Areas, and Acres by Agency, 1968
	A-3 Cessions, Acquisitions and Exchanges
A-3a	Acquisition of the Public Domain, 1781-1867
A-3b	Acquisition of the Territory of the United States
A-3c	Territorial Growth of the United States
A-3d	Acreage and Cost of Land Purchased by Major Agencies, by Year 1959-68
A-3e	Lands Purchased for the National Forests Under Various Authorizations in Western States, by Year 1957-67
A-3f	Land Acquired Through Land and Water Conservation Fund, by Agency, by State, July 1, 1964 through September 31, 1967
A-3g	Land Acquired from Land and Water Conservation Fund by Year, 1965-67
A-3h	Forest Service Lands Purchased as of June 30, 1968 Under Acts of Congress
A-3i	Land Acquisition by Exchange by Major Agencies, 1959-69
A-3j	National Forest Public Domain Land Exchanges by Year, 1962-67
A-3k	Approved Exchanges of Purchased National Forest Lands Under the Act of March 3, 1925 as Supplemented and Lands Offered the United States by Year, 1957-67
A-3l	National Forest Reserved Land Exchanges in Western States, by Year, 1962-67
	A-4 Disposition and State Land Grants
A-4a	Disposition of Public Lands, 1781-1968
A-4b	Acreage Granted to States Ranked in Ascending Order
A-4c	Acreage Granted Land Grant States Ranked in Ascending Order
A-4d	Federal Grants to Public Land States by Purpose, 1803-1960
A-4e	Grants to Railroads, 1850-1968

Table or Plate	
A-4f	Acreage Offered and Sold Under Public Sale Laws, 1822-1894
A-4g	Homestead and Preemption Entries, 1863-1960
A-4h	Federal Land Grants to States, 1803-1964
A-4i	Federal Land Grants for Railroads
A-4j	Original Land Entries, 1800-1943
	A-5 Revenue Sharing and Payments in Lieu of Taxes
A-5a	Accrued Payments to States Under Revenue Sharing and Payment in Lieu of Taxes Programs, by Program on Federal Lands, 1957-66
A-5b	Gross Receipts and Payments to States from Revenue Sharing, Payment in Lieu of Taxes and Related Programs, on Federal Lands, 1966
	A-6 Trespass
A-6a	Incidents of Trespass by Agency and Type of Trespass, 1960-67
A-6b	Applications Received Under the Mining Claims Occupancy Act and Disposition by State for 11 Western States and Alaska, 1962-67
A-6c	Method of Disposition of Trespass Cases by Agency, 1960-67
	A-7 Withdrawals and Reservations
A-7a	Withdrawn Public Domain Acreage, by Administering Agency, by State, as of June 30, 1967
A-7b	Withdrawn and Reserved Public Domain Acreage, by Purpose for each State, as of June 30, 1967
A-7c	Restrictions on Withdrawn Public Domain Acreage by State, as of June 30, 1967
A-7d	Restrictions on Withdrawn Public Domain Acreage by Purpose of Withdrawals, as of June 30, 1967
A-7e	Mineral Land Withdrawals, U. S. Geological Survey, as of June 30, 1967
A-7f	Summary Withdrawal Orders in Excess of 5,000 Acres, June 30, 1938 - June 30, 1967
	A-8 State, County and Local Government Lands
A-8a	Land Owned by State, County and Local Governments, 1968

State	Total State Land Area	All Agencies Combined			
		Public Domain	Acquired	Total Public Land	
				Acres	Percent of State
	(1)	(2)	(3)	(4)	(5)
Alabama	32,678,400	26,832	614,812	641,644	2.0
Alaska	365,481,600	348,450,430	14	348,450,444	95.3
Arizona	72,688,000	32,129,982 b/	2,187	32,132,169 b/	44.2
Arkansas	33,599,360	1,073,715	1,529,389	2,603,104	7.7
California	100,206,720	41,905,064	367,598	42,272,662	42.2
Colorado	66,485,760	23,120,200	49,824	23,170,024	34.8
Connecticut	3,135,360	-	-	-	-
Delaware	1,265,920	-	21,467	21,467	1.7
Dist. of Col.	39,040	-	-	-	-
Florida	34,721,280	322,354	1,030,790	1,353,144	4.0
Georgia	37,295,360	-	1,184,922	1,184,922	3.2
Hawaii	4,105,600	-	1,765	1,765	-
Idaho	52,933,120	33,071,381	389,932	33,461,313	63.2
Illinois	35,795,200	448	281,986	282,434	0.8
Indiana	23,158,400	440	146,717	147,157	0.6
Iowa	35,860,480	341	25,577	25,918	0.1
Kansas	52,510,720	27,296	21,180	48,476	0.1
Kentucky	25,512,320	-	600,540	600,540	2.4
Louisiana	28,867,840	21,406	813,248	834,654	2.9
Maine	19,847,680	-	73,468	73,468	0.4
Maryland	6,319,360	-	18,347	18,347	0.3
Massachusetts	5,034,880	-	9,564	9,564	0.2
Michigan	36,492,160	296,597	2,448,487	2,745,084	7.5
Minnesota	51,205,760	1,397,667	1,866,617	3,264,284	6.4
Mississippi	30,222,720	6,290	1,189,401	1,195,691	4.0
Missouri	44,248,320	2,719	1,428,750	1,431,469	3.2
Montana	93,271,040	25,190,968	112,503	25,303,471	27.1
Nebraska	49,031,680	261,548	178,532	440,080	0.9
Nevada	70,264,320	60,568,567 b/	57,563	60,626,130 b/	86.3
New Hampshire	5,768,960	-	678,807	678,807	11.8
New Jersey	4,813,440	-	22,513	22,513	0.5
New Mexico	77,766,400	24,812,797	375,357	25,188,154	32.4
New York	30,680,960	-	17,030	17,030	0.1
North Carolina	31,402,880	-	1,230,838	1,230,838	3.9
North Dakota	44,452,480	213,009	268,104	481,113	1.1
Ohio	26,222,080	85	134,513	134,598	0.5
Oklahoma	44,087,680	150,388	242,006	392,394	0.9
Oregon	61,598,720	28,831,196	897,557	29,728,753	48.3
Pennsylvania	28,804,480	-	484,665	484,665	1.7
Rhode Island	677,120	-	-	-	-
South Carolina	19,374,080	-	680,265	680,265	3.5
South Dakota	48,881,920	1,594,227	56,933	1,651,160	3.4
Tennessee	26,727,680	-	612,761	612,761	2.3
Texas	168,217,600	-	789,282	789,282	0.5
Utah	52,696,960	34,551,540	261,504	34,813,044	66.1
Vermont	5,936,640	-	240,238	240,238	4.0
Virginia	25,496,320	-	1,510,861	1,510,861	5.9
Washington	42,693,760	11,078,357	343,131	11,421,488	26.8
West Virginia	15,410,560	-	920,212	920,212	5.9
Wisconsin	35,011,200	9,496	1,579,020	1,588,516	4.5
Wyoming	62,343,040	29,437,421	37,518	29,474,939	47.3
U.S. Total	2,271,343,360	698,552,761	25,848,295	724,401,056	31.9

Public Law 88

and Acres by Agency,

State	Department of the Interior						
	Bureau of Land Management	Fish and Wildlife Service		National Park Service	Bureau of Reclamation d/	Bureau of Indian Affairs	Other Bureaus
		Public Domain	Acquired				
	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Alabama	636	-	8,383	-	-	-	-
Alaska	295,444,942	18,622,712	-	6,910,496	5,211	4,064,579	2 e/
Arizona	12,750,681	1,526,976 b/	-	1,465,257	1,315,579	89,375	-
Arkansas	2,309	4,822	120,586	892	-	-	-
California	15,192,489	1,720	63,900	3,863,707	872,918	-	-
Colorado	8,405,721	4,935	27,985	503,718	423,746	-	-
Connecticut	-	-	-	-	-	-	-
Delaware	-	-	21,467	-	-	-	-
Dist. of Col.	-	-	-	-	-	-	-
Florida	1,093	4,974	117,277	89	-	-	-
Georgia	-	-	388,199	-	-	-	-
Hawaii	-	-	1,765	-	-	-	-
Idaho	12,059,257	9,054	13,667	83,899	326,592	-	2 f/
Illinois	-	65	53,121	-	-	-	-
Indiana	-	-	1,838	-	-	-	-
Iowa	-	334	25,577	-	-	-	-
Kansas	1,515	-	21,180	-	-	-	-
Kentucky	-	-	61,647	-	-	-	-
Louisiana	3,089	10,800	220,369	-	-	-	-
Maine	-	-	23,917	-	-	-	-
Maryland	-	-	18,347	-	-	-	-
Massachusetts	-	-	9,564	-	-	-	-
Michigan	3,249	2,801	101,576	10,442	-	-	-
Minnesota	43,882	288	200,976	276	-	-	-
Mississippi	1,237	3,278	56,646	-	-	-	-
Missouri	-	-	42,869	-	-	-	-
Montana	6,324,495	398,932	98,074	1,126,892	192,043	-	-
Nebraska	7,923	15,317	129,905	2,003	7,805	-	-
Nevada	48,063,798	2,148,658 b/	36,546	254,073	1,099,971	1,647	18 e/
New Hampshire	-	-	-	-	-	-	-
New Jersey	-	-	22,513	-	-	-	-
New Mexico	13,036,237	12,536	76,605	216,950	88,998	48,680	-
New York	-	-	17,030	-	-	-	-
North Carolina	-	-	103,428	-	-	-	-
North Dakota	75,120	12,476	267,584	10,445	907	376	-
Ohio	-	82	7,132	-	-	-	-
Oklahoma	8,190	77,806	1,645	-	509	-	-
Oregon	13,441,001 c/	246,213	209,994	158,303	200,928	-	52 f/
Pennsylvania	-	-	5,012	-	-	-	-
Rhode Island	-	-	-	-	-	-	-
South Carolina	-	-	91,337	-	-	-	-
South Dakota	277,834	1,168	55,229	78,737	19,269	-	-
Tennessee	-	-	10,372	-	-	-	-
Texas	-	-	131,176	-	-	-	-
Utah	22,973,519	67,452	29,179	523,230	1,399,663	-	-
Vermont	-	-	4,680	-	-	-	-
Virginia	-	-	15,781	-	-	-	-
Washington	273,505	40,213	78,179	1,082,733	128,941	-	3 f/
West Virginia	-	-	-	-	-	-	-
Wisconsin	14	427	108,299	-	-	-	-
Wyoming	17,454,822	12,483	22,618	2,271,937	869,345	-	-
U.S. Total	465,846,558	23,226,522 b/	3,123,174	18,364,079	6,952,425	4,204,657	77

State	Department of Agriculture			Department of Air Force	Department of Army	Corps of Engineers (Civil Works)	Department of Navy
	Forest Service		Agricultural Research Service				
	Public Domain	Acquired					
	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Alabama	24,888	606,429	-	-	1,160	-	-
Alaska	20,734,659	14	2 g/	128,221	2,259,888	52,580	106,165
Arizona	11,427,646	2,187	-	2,557,661 b/	969,795	23,610	10
Arkansas	1,034,121	1,408,803	-	-	320	31,251	-
California	19,671,909	303,698	-	89,631	679,545	14,679	1,514,446
Colorado	13,696,799	21,839	-	-	3,133	432	56,408
Connecticut	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	-
Dist. of Col.	-	-	-	-	-	-	-
Florida	162,199	913,513	-	135,461	14	137	17,225
Georgia	-	796,723	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Idaho	19,925,821	376,265	28,643	112,821	3,171	8,588	-
Illinois	383	228,865	-	-	-	-	-
Indiana	440	144,879	-	-	-	-	-
Iowa	-	-	-	-	-	7	-
Kansas	360	-	-	-	24,934	-	-
Kentucky	-	538,893	-	-	-	-	-
Louisiana	238	592,879	-	-	-	7,051	-
Maine	-	49,551	-	-	-	-	-
Maryland	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	-
Michigan	279,017	2,346,911	-	160	-	207	-
Minnesota	1,118,502	1,665,641	-	-	-	234,709	-
Mississippi	1,740	1,132,755	-	-	35	-	-
Missouri	1,834	1,385,881	-	-	-	75	-
Montana	16,654,670	14,429	71,878	290	138	421,429	-
Nebraska	207,219	48,627	21,251	-	20	10	-
Nevada	5,052,639	21,017	-	2,918,453 b/	7,150	466	202,269
New Hampshire	-	678,807	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-
New Mexico	8,635,017	298,752	200,120	83,402	2,477,783	5,481	-
New York	-	-	-	-	-	-	-
North Carolina	-	1,127,410	-	-	-	-	-
North Dakota	103,530	520	-	-	-	10,155	-
Ohio	-	127,381	-	-	-	-	-
Oklahoma	836	240,361	6,694	-	51,285	1,473	-
Oregon	14,692,316	687,563	14,594	353	8,440	30,724	37,320
Pennsylvania	-	479,653	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	-
South Carolina	-	588,928	-	-	-	-	-
South Dakota	1,205,030	1,704	360	650	1,201	9,518	-
Tennessee	-	602,389	-	-	-	-	-
Texas	-	658,106	-	-	-	-	-
Utah	7,767,844	232,325	-	905,546	820,066	-	89,066
Vermont	-	235,558	-	-	-	-	-
Virginia	-	1,495,080	-	-	-	-	-
Washington	9,445,138	264,952	160	964	27,677	8,564	-
West Virginia	-	920,212	-	-	-	-	-
Wisconsin	8,033	1,470,721	-	-	553	-	-
Wyoming	8,804,982	14,900	-	3,861	9,624	-	9,481
U.S. Total	160,657,810	22,725,121	343,702	6,937,474	7,345,932	861,146	2,032,390

Table A-1a Public Land as defined by Section 10, Public Law 88-606, with Total State Land Areas, and Acres by Agency, 1968 a/

State	Atomic Energy Commission	Department of Justice	Department of Transportation: Coast Guard b/	Department of Transportation: Federal Aviation Agency	General Services Administration	Veterans Administration	Other Agencies c/
	(20)	(21)	(22)	(23)	(24)	(25)	(26)
Alabama	-	-	148	-	-	-	-
Alaska	-	-	77,431 b/	34,030	62	-	9,450
Arizona	-	695	-	2,286	10	209	192
Arkansas	-	-	-	-	-	-	-
California	-	-	1,172	1,115	22	-	1,711
Colorado	24,200	-	-	490	-	618	-
Connecticut	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	-
Dist. of Col.	-	-	-	-	-	-	-
Florida	-	-	1,162	-	-	-	-
Georgia	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Idaho	513,239	-	-	218	-	76	-
Illinois	-	-	-	-	-	-	-
Indiana	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-
Kansas	-	487	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-
Louisiana	-	-	228	-	-	-	-
Maine	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	-
Michigan	-	-	721	-	-	-	-
Minnesota	-	-	10	-	-	-	-
Mississippi	-	-	-	-	-	-	-
Missouri	-	810	-	-	-	-	-
Montana	-	-	-	200	1	-	-
Nebraska	-	-	-	-	-	-	-
Nevada	817,597	-	-	1,828	-	-	-
New Hampshire	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-
New Mexico	2,120	-	-	293	-	15	5,165
New York	-	-	-	-	-	-	-
North Carolina	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-
Ohio	-	-	3	-	-	-	-
Oklahoma	-	3,595	-	-	-	-	-
Oregon	-	-	130	822	-	-	-
Pennsylvania	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	460	-
Tenpessee	-	-	-	-	-	-	-
Texas	-	-	-	-	-	-	-
Utah	3,169	-	-	1,864	-	121	-
Vermont	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-
Washington	69,196	4	1,087	-	-	172	-
West Virginia	-	-	-	-	-	-	-
Wisconsin	-	-	469	-	-	-	-
Wyoming	-	-	-	544	-	342	-
U.S. Total	1,429,521	5,591	82,561	43,690	95	2,013	16,518

[illegible] Public domain except for the acquired land in national

a/ Public land is all public domain except for the acquired land in national forests (column 7) and in wildlife refuges and ranges (column 11). Data for column 1 are from Public Land Statistics, 1968, exclusive of inland water; for columns 7, 8, 13 and 14 are from the agencies; other data are from GSA real property inventory records for agencies as of June 30, 1968, with minor adjustments.

b/ Total for public domain (columns 2, 4, and 7 or 16) each contains an excess of approximately 1,878,970 acres because of duplicate reporting as follows:

(1) Approximately 1,053,530 acres in Arizona administered by Fish and Wildlife Service in Cabeza Prieta Game Range and also used by the military are reported for both agencies (col. 7 and 16).

(2) Approximately 825,440 acres in Nevada administered by Fish and Wildlife Service in the Desert Game Range and also used by the military are reported for both agencies (columns 7 and 16).

c/ Excludes 2,071,434 acres of Oregon and California Railroad and 74,547 acres of Coos Bay Wagon Road Lands which are included for BLM in GSA data.

d/ Except that Alaska Power Administration administers 5,211 acres in Alaska.

e/ The Bureau of Mines administers the 20 acres in Alaska and Nevada.

f/ Bonneville Power Administration administers the 57 acres in Idaho, Oregon and Washington.

g/ Except that Soil Conservation Service administers the 2 acres in Alaska.

h/ Except that 36,248 acres in Alaska are in Federal Railway Administration (Alaska Railroad).

i/ Includes: NASA, 12,964 acres (Alaska, 8,500; California 1,675 acres; New Mexico, 2,789); State Dept., International Boundary and Water Commission, U.S. and Mexico, 2,395 acres (Arizona, 19; New Mexico, 2,376); HEW, Public Health Service, 685 acres (Alaska, 649; California, 36); Commerce Department, 301 acres (Alaska, 128, Arizona, 173); Federal Communications Commission, 173 acres in Alaska.

Table A-2a Comparison of Total Federally Owned Land with Total State Land Areas, and Acres by Agency, 1968 a/

State	Total State Land Area	Total Federally Owned Land (All Agencies Combined)	
		Acres	Percent of State
	(1)	(2)	(3)
Alabama	32,678,400	1,097,317	3.4
Alaska	365,481,600	348,467,343	95.3
Arizona	72,688,000	32,432,513	44.6
Arkansas	33,599,360	3,155,407	9.4
California	100,206,720	44,393,881	44.3
Colorado	66,485,760	24,152,057	36.3
Connecticut	3,135,360	9,303	0.3
Delaware	1,265,920	38,256	3.0
Dist. of Col.	39,040	11,085	28.4
Florida	34,721,280	3,392,455	9.8
Georgia	37,295,360	2,074,160	5.6
Hawaii	4,105,600	397,279	9.7
Idaho	52,933,120	33,848,735	63.9
Illinois	35,795,200	523,994	1.5
Indiana	23,158,400	424,863	1.8
Iowa	35,860,480	211,960	0.6
Kansas	52,510,720	666,874	1.3
Kentucky	25,512,320	1,230,727	4.8
Louisiana	28,867,840	1,042,410	3.6
Maine	19,847,680	130,278	0.7
Maryland	6,319,360	189,700	3.0
Massachusetts	5,034,880	70,102	1.4
Michigan	36,492,160	3,316,286	9.1
Minnesota	51,205,760	3,408,549	6.7
Mississippi	30,222,720	1,569,320	5.2
Missouri	44,248,320	1,882,360	4.3
Montana	93,271,040	27,654,289	29.6
Nebraska	49,031,680	728,260	1.5
Nevada	70,264,320	60,725,334	86.4
New Hampshire	5,768,960	705,689	12.2
New Jersey	4,813,440	112,032	2.3
New Mexico	77,766,400	26,388,272	33.9
New York	30,680,960	232,626	0.8
North Carolina	31,402,880	1,937,618	6.2
North Dakota	44,452,480	2,119,375	4.8
Ohio	26,222,080	263,134	1.0
Oklahoma	44,087,680	1,423,669	3.2
Oregon	61,598,720	32,179,932	52.2
Pennsylvania	28,804,480	597,758	2.1
Rhode Island	677,120	7,888	1.2
South Carolina	19,374,080	1,128,720	5.8
South Dakota	48,881,920	3,408,408	7.0
Tennessee	26,727,680	1,699,438	6.4
Texas	168,217,600	3,003,996	1.8
Utah	52,696,960	35,060,194	66.5
Vermont	5,936,640	258,546	4.4
Virginia	25,496,320	2,192,116	8.6
Washington	42,693,760	12,570,384	29.4
West Virginia	15,410,560	987,811	6.4
Wisconsin	35,011,200	1,785,830	5.1
Wyoming	62,343,040	30,059,522	48.2

State	Bureau of Land Management	Fish and Wildlife	National Park Service	Bureau of Reclamation b/	Bureau of Indian Affairs	Bureau of Mines c/	Office of Saline Water d/	Bonneville Power Administration e/
	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Alabama	636	9,047	5,068	-	-	3	-	-
Alaska	295,445,187	18,622,726	6,911,397	5,373 b/	4,064,579	2	-	-
Arizona	12,787,929	1,526,977	1,565,873	1,389,920	90,425	-	-	-
Arkansas	2,309	125,870	5,547	-	-	-	48 d/	-
California	15,192,493	65,678	4,110,281	1,089,037	220	36 c/	40	-
Colorado	8,443,254	33,359	526,601	479,703	571	-	-	-
Connecticut	-	6	-	-	-	-	-	-
Delaware	-	21,467	-	-	-	-	-	-
Dist. of Col.	-	-	7,709	-	-	-	-	-
Florida	1,093	122,761	1,373,472	-	333	-	-	-
Georgia	-	388,448	15,480	-	-	-	-	19-w
Hawaii	-	1,767	218,318	-	-	-	-	-
Idaho	12,132,718	23,025	85,045	452,980	41,355	-	-	81-B
Illinois	-	53,186	-	-	-	-	-	-
Indiana	-	1,891	229	-	-	-	-	-
Iowa	-	26,076	1,384	63	-	-	-	-
Kansas	1,515	21,902	680	94,085	321	115	-	-
Kentucky	-	61,761	62,152	-	-	-	-	-
Louisiana	3,089	231,266	111	-	-	-	-	-
Maine	-	24,117	32,265	-	-	-	-	-
Maryland	-	21,058	21,415	-	-	-	-	-
Massachusetts	-	9,963	15,607	-	-	-	-	5-w
Michigan	3,249	104,583	539,785	-	4,016	-	-	15-w
Minnesota	43,882	283,181	591	44	28,643	64 c/	-	13-w
Mississippi	1,237	60,277	28,401	-	229	-	-	-
Missouri	-	43,163	28,220	-	-	3	96 d/	-
Montana	8,217,414	497,370	1,154,766	302,546	125,473	-	-	118-B
Nebraska	7,923	145,227	4,341	67,564	170	-	-	-
Nevada	48,067,092	2,185,228	254,358	1,170,549	7,811	23	-	-
New Hampshire	-	39	83	-	-	-	-	-
New Jersey	-	22,513	4,562	-	-	-	-	2-w
New Mexico	13,269,085	89,858	240,738	197,262	384,595	5	7	-
New York	-	17,166	5,277	-	-	-	-	-
North Carolina	-	109,634	333,753	-	139	-	25	-
North Dakota	75,120	280,719	69,034	18,930	6,394	12	-	-
Ohio	-	7,479	89	-	-	-	-	6-w
Oklahoma	8,190	79,653	912	58,158	29,159	201	70 d/	26-w
Oregon	15,669,216	456,333	160,895	236,639	1,153	47	-	3,856-B-w
Pennsylvania	-	5,291	7,097	-	-	248	-	-
Rhode Island	-	3	-	-	-	-	-	7-w
South Carolina	-	138,051	3,983	-	-	-	-	-
South Dakota	277,834	56,408	135,260	45,808	120,862	-	1	10-c
Tennessee	-	10,430	252,863	-	-	-	-	-
Texas	-	131,620	840,139	61,583	-	12,409	8 d/	4
Utah	22,994,581	98,553	561,972	1,512,960	433	12	-	-
Vermont	-	4,715	-	-	-	-	-	-
Virginia	-	16,688	266,105	-	-	-	-	-
Washington	273,505	119,861	1,137,868	446,537	119	27 c/	-	7,829-B
West Virginia	-	215	562	-	-	45	-	24-c
Wisconsin	14	166,804	-	-	39,417	-	-	-
Wyoming	17,464,699	35,825	2,309,609	1,055,808	1,076	2	-	-
U.S. Total	470,383,264	26,559,238	23,299,897	8,685,549	4,947,493	13,254	295	12,011

State	Federally Owned Land Administered by Agencies Shown on Table A-1a							
	Department of Agriculture				Department of Defense			
	Forest Service	Agricultural Research Service	Soil Conservation Service	Commodity Credit Corp. f/	Department of Air Force	Department of Army	Corps of Engineers (Civil Works)	Department of Navy
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Alabama	631,317	20	-	-	7,640	170,231	57,824	3,250
Alaska	20,734,673	16	2	-	134,159	2,266,175	52,791	107,004
Arizona	11,429,833	38	46	-	2,570,855	1,030,843	32,418	3,194
Arkansas	2,442,924	-	-	-	9,378	86,066	482,640	119
California	19,994,773	564	60	-	472,871	979,089	82,391	2,382,310
Colorado	14,319,757	14,671	-	-	26,950	181,946	28,338	60,241
Connecticut	10	-	-	-	115	210	7,175	1,137
Delaware	-	-	-	-	2,807	437	12,806	626
Dist. of Col.	-	412	-	-	625	246	333	688
Florida	1,075,712	5,468	182	-	633,008	1,757	18,944	67,237
Georgia	806,063	2,441	341	-	11,578	524,987	303,448	10,707
Hawaii	-	-	-	-	6,057	106,651	37	61,532
Idaho	20,347,244	32,744	-	-	115,225	3,182	42,501	22
Illinois	229,248	21	-	25	4,996	44,913	182,353	2,932
Indiana	146,169	-	-	-	5,194	116,954	87,627	61,841
Iowa	360	364	1	4	197	19,682	163,439	7
Kansas	107,708	12	182	-	42,431	126,623	267,960	1,953
Kentucky	538,893	-	4	-	-	169,377	298,218	139
Louisiana	393,416	161	-	-	24,178	116,530	61,845	1,379
Maine	50,016	6	-	-	14,129	1,093	14	1,594
Maryland	-	10,381	-	-	7,007	96,991	4,924	22,935
Massachusetts	-	-	-	-	7,619	13,992	16,847	4,367
Michigan	2,633,127	50	-	-	9,214	16,376	1,773	627
Minnesota	2,784,143	15	-	2	1,801	3,335	258,786	175
Mississippi	1,134,495	388	-	-	6,210	4,470	291,581	11,253
Missouri	1,400,811	10	263	17	10,174	65,218	331,915	57
Montana	16,669,099	72,310	-	-	6,033	6,660	601,908	-
Nebraska	349,543	55,606	-	4	6,619	33,275	57,502	79
Nevada	3,073,657	-	-	-	2,926,492	7,554	671	211,052
New Hampshire	678,807	-	-	-	7,878	149	18,614	16
New Jersey	-	28	4	-	3,791	42,359	10,172	19,380
New Mexico	9,153,364	200,445	-	-	96,459	2,659,733	15,851	1
New York	13,779	1,073	203	-	14,326	138,119	13,387	2,651
North Carolina	1,127,418	12	-	28 f/	3,329	143,057	46,737	147,488
North Dakota	1,104,958	1,130	-	-	12,023	10	550,854	-
Ohio	127,381	632	-	22	14,554	24,743	71,855	409
Oklahoma	287,119	11,534	-	-	9,818	128,076	761,879	44,965
Oregon	15,471,213	14,608	-	-	998	17,475	96,452	41,590
Pennsylvania	479,762	32	-	-	488	26,992	67,051	4,080
Rhode Island	-	-	-	-	45	230	61	396
South Carolina	588,928	468	-	-	12,335	53,698	99,938	30,159
South Dakota	1,982,433	370	-	7	247,589	21,289	519,857	-
Tennessee	603,601	554	-	-	42,939	105,877	187,658	3,630
Texas	775,375	4,185	2	-	75,329	371,863	631,846	22,702
Utah	8,000,169	1	-	-	924,377	872,621	-	89,067
Vermont	235,558	-	-	-	131	12,054	5,982	2
Virginia	1,495,080	4,136	-	-	7,172	158,906	108,273	107,969
Washington	9,710,815	173	221	-	18,837	350,057	101,358	24,796
West Virginia	920,212	-	-	-	50	340	60,443	2,183
Wisconsin	1,478,984	1	-	-	332	67,971	30,873	1
Wyoming	9,165,186	-	14	-	7,317	9,623	-	9,483
U.S. Total	186,893,133	435,082	1,525	109	8,961,466	11,400,188	7,148,150	3,801,625

State	Atomic Energy Commission	Department of Justice	Department of Transportation: Coast Guard g/	Department of Transportation: Federal Aviation Agency h/	General Services Administration	Veterans Administration	Department of Commerce	Department of Health Education and Welfare	Federal Communication Commission	Other Agencies i/
	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
Alabama	-	-	148	-	124	477	74	4	-	1,797
Alaska	-	-	79,438 g/	34,242	70	-	131	680	175	8,523
Arizona	-	695	-	2,306	423	349	173	49	132	27
Arkansas	-	-	-	1	28	448	11	-	-	-
California	7,606	63	2,289	1,212	854	1,356	3	37	209	8,080
Colorado	30,199	640	-	490	754	653	3,346	-	-	-
Connecticut	10	322	191	-	11	91	-	-	-	-
Delaware	-	-	77	-	2	31	-	-	-	-
Dist. of Col.	-	334	-	-	254	47	69	336	-	-
Florida	99	791	1,640	658	43	574	-	16	69	83,783
Georgia	-	182	18	-	210	360	-	210	161	-
Hawaii	22	3	1,012	397	17	-	185	2	184	-
Idaho	572,267	4	-	240	18	76	-	-	-	-
Illinois	3,740	921	34	13	535	815	164	2	-	-
Indiana	-	2,632	1	-	995	285	-	-	-	-
Iowa	-	-	3	-	121	222	-	-	-	-
Kansas	-	487	3	10	70	730	-	60	-	-
Kentucky	3,668	270	2	8	40	275	-	1,033	-	-
Louisiana	-	-	2,446	93	390	203	14	367	-	905
Maine	-	1	463	-	41	508	-	7	-	-
Maryland	101	-	305	163 h/	1,827	632	2	1,174	211	554
Massachusetts	-	-	591	245	163	498	24	19	-	9
Michigan	-	502	1,815	-	62	827	-	7	209	-
Minnesota	-	2,967	26	8	85	752	-	4	-	-
Mississippi	-	-	12	12	60	490	-	1	-	20,986
Missouri	30	1,377	7	2	681	280	-	1	-	-
Montana	-	22	-	223	155	149	-	33	-	-
Nebraska	-	-	-	5	16	124	40	5	200	-
Nevada	817,659	-	-	2,159	13	12	-	-	-	-
New Hampshire	-	4	16	20	11	35	7	-	-	-
New Jersey	15	-	1,602	6,025	997	476	54	-	-	-
New Mexico	66,110	1	-	399	124	201	-	57	-	13,970
New York	12,208	1	3,670 g/	306	1,513	1,466	74	32	260	-
North Carolina	-	770	1,337	-	55	390	244	1	-	-
North Dakota	-	-	-	-	80	71	-	12	-	-
Ohio	4,964	1,550	155	28	767	998	-	15	322	6,330
Oklahoma	-	3,595	-	-	27	24	-	230	-	-
Oregon	-	-	314	824 h/	876	422	1,005	1	-	-
Pennsylvania	200	5,171	4	128	162	957	9	2	-	-
Rhode Island	-	-	92	-	3	40	-	5	-	-
South Carolina	200,831	-	167	9	27	113	-	-	-	-
South Dakota	37,523	-	-	-	28	585	-	53	-	-
Tennessee	-	-	7	18	47	686	-	4	-	-
Texas	10,177	2,601	119	61	1,751	1,419	716	455	520	58,737
Utah	3,241	-	-	1,877	204	121	-	-	-	-
Vermont	-	-	7	-	28	64	-	-	-	-
Virginia	-	874	977	12,489 h/	2,806	483	1,146	21	-	7,154
Washington	369,002	4,418	1,548	18 h/	951	353	5	27	39	-
West Virginia	4	511	4	-	109	340	-	-	-	-
Wisconsin	-	-	869	1	10	498	-	-	-	-
Wyoming	-	-	-	544	5	421	-	-	-	-
U.S. Total	2,139,676	31,709	101,409	65,234	18,643	21,427	7,496	4,962	2,691	210,855

Ta ... (cont'd.)

State	Agencies not shown on State area a/		
	Post Office Department	Treasury Department	Other Agencies k/
	(30)	(31)	(32)
Alabama	23	-	209,634-t
Alaska	-	-	-
Arizona	4	1	3-n
Arkansas	18	-	-
California	80	4	2,245-u,c,i
Colorado	16	2	566-n
Connecticut	25	-	-
Delaware	3	-	-
Dist. of Col.	7	15	10-p,h,l
Florida	18	-	4,797-t
Georgia	30	-	9,477-t
Hawaii	1	-	94-i
Idaho	8	-	-
Illinois	96	-	-
Indiana	45	-	-
Iowa	37	-	-
Kansas	27	-	-
Kentucky	24	75	94,788-t
Louisiana	17	-	-
Maine	20	4	-
Maryland	20	-	-
Massachusetts	57	-	96-c
Michigan	49	-	-
Minnesota	27	6	-
Mississippi	21	-	9,197-t
Missouri	35	-	-
Montana	5	5	-
Nebraska	17	-	-
Nevada	4	-	-
New Hampshire	10	-	-
New Jersey	52	-	-
New Mexico	4	1	-
New York	108	5	-
North Carolina	32	-	28,169-t,i
North Dakota	6	22	-
Ohio	75	-	760-i
Oklahoma	26	-	6-u
Oregon	15	-	-
Pennsylvania	83	1	-
Rhode Island	6	-	-
South Carolina	13	-	-
South Dakota	14	-	-
Tennessee	38	-	453,563-t
Texas	63	4	312-n
Utah	5	-	-
Vermont	5	-	-
Virginia	32	-	1,805-t,c
Washington	20	-	-
West Virginia	16	-	2,753-n
Wisconsin	35	-	-
Wyoming	8	-	-
U.S. Total	1,400	145	818,275

a/ Data from GSA real property inventory records for agencies as of June 30, 1968, with minor adjustments.

b/ Except that Alaska Power Administration administers the 5,373 acres in Alaska.

c/ Except that Geological Survey administers 12 acres in California, 1 acre in Minnesota and the 6 acres in Washington.

d/ Except that Southwestern Power Administration administers the 48 acres in Arkansas, the 96 acres in Missouri, the 70 acres in Oklahoma and the 3 acres in Texas.

e/ Agencies and acres administered by each:
- b: Bonneville Power (11,864)
- c: Coal Research (34)
- w: Federal Water Pollution Control (113)

f/ Except that Farmers Home Administration administers the 28 acres in North Carolina.

g/ Except that Federal Railway Administration (Alaska Railroad) administers 38,234 acres in Alaska and St. Lawrence Seaway Development Corporation administers 2,960 acres in New York.

h/ Except that Federal Highway Administration administers 833 acres including the 163 acres in Maryland, 2 acres in Oregon, 633 acres in Virginia and 5 acres in Washington.

i/ Dept. of State, International Boundary and Water Commission, United States and Mexico administers 68,189 acres 27 in Arizona, 11,181 in New Mexico and 56,980 in Texas. National Aeronautics and Space Administration administers the remaining 142,666 acres.

j/ Agencies that have no public land as defined by Section 10, P.L. 88-606.

k/ Agencies and acres administered by each are:
- t: Tennessee Valley Authority, 805,080 acres, including 21,988 in North Carolina and 1,636 in Virginia.
- n: National Science Foundation, 3,634 acres.
- u: Dept. of Housing and Urban Development, 9 acres; including 3 in California.
- c: Central Intelligence Agency, 748 acres, including 483 in California and 169 in Virginia.
- i: U.S. Information Agency, 8,794 acres, including 1,759 in California and 6,181 in North Carolina.
- p: Government Printing Office, 6 acres.
- h: National Capital Housing Authority 2 acres.
- l: Dept. of Labor, 2 acres.

Table A-3a Acquisition of the Public Domain, 1781-1867

Acquisition	Area (Acres)			Cost[a/]
	Land	Water	Total	
State cessions (1781-1802)	233,415,680	3,409,920	236,825,600	$ 6,200,000[b/]
Louisiana Purchase (1803)[c/]	523,446,400	6,465,280	529,911,680	23,213,568
Red River Basin[d/]	29,066,880	535,040	29,601,920	-
Cession from Spain (1819)	43,342,720	2,801,920	46,144,640	6,674,057
Oregon Compromise (1846)	180,644,480	2,741,760	183,386,240	-
Mexican Cession (1848)	334,479,360	4,201,600	338,680,960	16,295,149
Purchase from Texas (1850)	78,842,880	83,840	78,926,720	15,496,448
Gadsden Purchase (1853)	18,961,920	26,880	18,988,800	10,000,000
Alaska Purchase (1867)	365,481,600	9,814,400	375,296,000	7,200,000
Total Public Domain	1,807,681,920	30,080,640	1,837,762,560	85,079,222

a/ Cost data for all except "State Cessions" obtained from: Geological Survey, Boundaries, Areas, Geographic Centers...(Washington, U.S. Government Printing Office, 1939), pp.249-251.

b/ Georgia Cession, 1802 (56,689,920 acres). See: Donaldson, Thomas, The Public Domain, Its History with Statistics (Washington, U.S. Government Printing Office, 1884), p. 11.

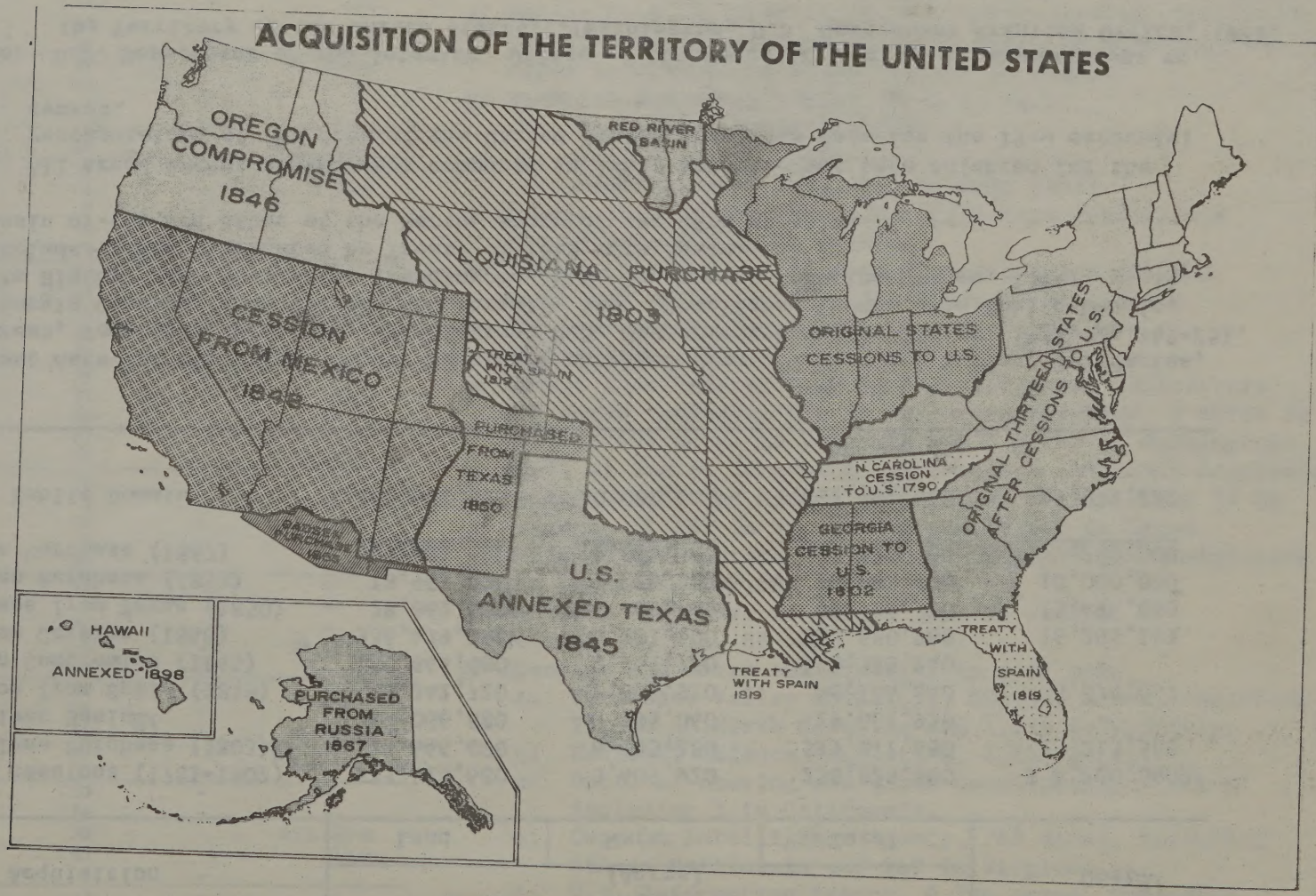
c/ Excludes areas eliminated by Treaty of 1819 with Spain.

d/ Basin of the Red River of the North, south of the 49th parallel.

Note: All areas except Alaska were computed in 1912, and have not been adjusted for the recomputation of the area of the United States which was made for the 1950 decennial census.

Source: U.S. Department of the Interior, Office of the Secretary, Areas of Acquisitions to the Territory of the United States...(Washington, U.S. Government Printing Office, 1922.

Plate A-3b



Acquisition of the Territory of the United States

Prepared by the Bureau of Land Management

Boundary between Mississippi River and 49th parallel uncertain due to misconception that source of Mississippi River lay further north

1775

Dates for the 13 Original States refer to the year of ratification of the Constitution

* Erie triangle ceded by New York to U.S. 1781; sold to Pennsylvania in 1792

East and West Florida retroceded by Great Britain in 1783

Vermont extralegally self governing 1777–1791

1790

Alaska purchased from Russia

Red band encloses Confederate States 1861–1865; dates underlined refer to readmission to the Union

1870

Louisiana purchased from France

1810

Table 1-3d. Acreage and Cost of Land Purchased by Major Agencies by Year, 1959-1968

Year	FOREST SERVICE[b] Acres			FOREST SERVICE[b] Dollar Value		
	Fee	Less than Fee[b]	Total	Fee	Less than Fee	Total
1959	8,350	N/A		$ 223,784	N/A	
1960	7,845	3,336	11,181	113,815		
1961	10,355	3,520	13,875	235,611		
1962	22,556	4,568	27,124	964,042		
1963	24,707	4,464	29,171	1,726,155		
1964	41,958[g]	11,560	53,518	1,713,505		
1965	30,434[g]	8,600	39,034	1,444,930		
1966	289,109[g]	13,576	302,685	8,559,343		
1967	180,123[g]	7,280	187,403	17,493,814		
1968	124,929[g]	7,856	132,785	11,755,710		
1969	N/A	12,944	N/A			

Year	BUREAU OF LAND MANAGEMENT Acres			BUREAU OF LAND MANAGEMENT Dollar Value		
	Fee	Less than Fee	Total	Fee	Less than Fee	Total
1959	1[d]	N/A		2,000[d]	N/A	
1960	-			-		
1961	-			-		
1962	-			-		
1963	17			50,000		
1964	-			-		
1965	31			35,825		
1966	2,856			19,500		
1967	16			5,820[e]		
1968	2			1,524		
1969						

Year	BUREAU OF SPORT FISHERIES AND WILDLIFE[b] Acres			BUREAU OF SPORT FISHERIES AND WILDLIFE[b] Dollar Value		
	Fee	Less than Fee	Total	Fee	Less than Fee	Total
1959	-	N/A		N/A	N/A	N/A
1960	8,703					
1961	54,071					
1962	37,227	4,968			30,527	
1963	49,697	12,774			82,090	
1964	59,476	71,575			760,665	
1965	71,151	177,796			$2,078,680	
1966	99,162	146,031			1,677,605	
1967	85,968	106,954			1,376,235	
1968	67,731	87,770			1,306,515	
1969	68,984	61,354			950,540	

Year	NATIONAL PARK SERVICE Acres			NATIONAL PARK SERVICE Dollar Value		
	Fee	Less than Fee	Total	Fee	Less than Fee	Total
1959	5,159	-	5,159	$724,003	-	$ 724,003
1960	17,901	5	17,906	N/A	N/A	2,345,133
1961	3,859	142	4,001			1,820,936
1962	4,092	1	4,093			3,746,140
1963	15,595	2,053	17,648			13,691,095
1964	14,380	9	14,389			11,633,691
1965	104,598	39	104,637			11,841,905
1966	15,538	298	15,836			12,118,700
1967	79,601	2,325	81,926			29,237,462
1968	27,656	10,896	38,552			24,251,369
1969						

Year	BUREAU OF RECLAMATION Acres			BUREAU OF RECLAMATION Dollar Value		
	Fee	Less than Fee	Total	Fee	Less than Fee	Total
1959	24,858	14,929	39,787	$ 4,573,997	$1,310,020	$5,884,017
1960	40,070	12,583	52,653	6,480,728	1,314,819	7,795,547
1961	49,472	10,009	59,481	5,580,761	1,756,488	7,337,249
1962	37,109	23,419	60,528	5,594,296	3,295,315	8,889,611
1963	69,215	24,738	93,953	11,787,616	2,445,708	14,233,324
1964	57,651	12,425	70,076	10,927,139	2,127,614	13,054,753
1965	52,100	8,523	60,623	11,555,012	1,714,707	13,269,719
1966	29,436	9,030	38,466	8,253,047	1,626,460	9,879,507
1967	17,210	7,868	25,078	3,705,151	1,224,045	4,929,196
1968	27,466	7,622	35,088	6,287,363	1,125,038	7,412,401
1969						

Year	DEPARTMENT OF DEFENSE[b] Acres			DEPARTMENT OF DEFENSE[b] Dollar Value		
	Fee	Less than Fee	Total	Fee	Less than Fee	Total
1959						
1960						
1961	N/A	N/A	7,353[f]	N/A	N/A	$2,721,103
1962			28,279[f]	N/A	N/A	4,755,408
1963			68,070[f]	N/A	N/A	5,353,725
1964	319,127	96,464	415,591	$2,419,816	$3,164,411	6,095,736
1965	105,787	28,052	133,839	3,662,382	1,747,648	5,410,030
1966	124,630	73,089	197,719	15,154,647	989,076	16,143,723
1967	32,559	3,653	38,350	2,443,884	604,223	3,048,110
1968	16,389	8,132	24,521	4,450,987	493,589	4,944,576
1969	4,707[c]	670[c]	5,377[c]	5,646,842[c]	211,975[c]	5,858,817[c]

Year	ATOMIC ENERGY COMMISSION			
1959	-	-	-	-
1960	N/A	N/A	10	N/A N/A $ 10,000
1961	N/A	N/A	2	- - -
1962	-	-	-	- - -
1963	-	-	-	- - -
1964	-	-	-	- - -
1965	-	-	-	- - -
1966	N/A	N/A	1,600	N/A N/A 3,250,000
1967	-	-	-	- - -
1968	6,800	-	N/A	N/A - N/A
1969	-	-	-	- - -

a/ Forest Service acreage purchased under the Act of 6/7/24 not available for years 1959-1963.
b/ Fiscal years.
c/ Department of Navy not available for Fiscal Year 1969.
d/ Donated.
e/ Donation, .317 acres valued at $2,500.

Source: Provided to the PLLRC by Federal agencies.

f/ Fee and Less than Fee not identified prior to 1964 for Army and Air Force.
g/ Includes Donations:

1964	-	1,005 acres	$ 288,876
1965	-	1,159 "	108,643
1966	-	380 "	116,286
1967	-	184 "	10,083
1968	-	315 "	116,400
1969	-	16,221 "	2,232,478

h/ Road rights-of-way easements only.

Table A-3e Lands Purchased for the National Forests Under Various Authorizations in Western States, by Year 1957-67

(Acres)

Year	California	Oregon	Utah	Washington	Nevada
1957	0	0	0	0	0
1958	0	0	5,990	0	163
1959	0	0	3,700	0	0
1960	0	0	1,578	0	0
1961	0	0	2,239	0	0
1962	0	0	4,142	0	0
1963	0	0	875	0	0
1964	0	0	5,404	0	0
1965	134	0	1,583	0	0
1966	160	0	1,357	0	0
1967	0	456	2,542	244	1

Source: Annual Report of the National Forest Reservation Commission, 1958-1968.

Table A-3f Land Acquired Through Land and Water Conservation Fund, by Agency, by State, July 1, 1964 Through September 31, 1967

State	Forest Service		National Park Service		Bureau of Sport Fish.& Wildlife		Total	
	Acres	Cost	Acres	Cost	Acres	Cost	Acres	Cost
Alabama	117	$ 40,372	-	$ -	-	$ -	117	$ 40,372
Alaska	-	-	20	2,045	-	-	20	2,045
Arizona	2,087	1,933,280	7,387	731,000	-	-	9,474	2,664,280
Arkansas	6,291	639,557	-	-	-	-	6,291	639,557
California	2,590	861,849	8,070	6,710,521	185	46,000	10,845	7,618,370
Colorado	2,409	747,915	3,690	563,827	-	-	6,099	1,311,742
Connecticut	-	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	-	-
Dist. of Col.	-	-	-	-	-	-	-	-
Florida	20	22,270	19,386	1,456,460	2,077	916,878	21,483	2,395,608
Georgia	13,324	1,552,186	-	-	-	-	13,324	1,552,186
Hawaii	-	-	-	-	-	-	-	-
Idaho	1,703	1,155,453	83	357,750	-	-	1,786	1,513,203
Illinois	12,060	1,293,276	-	-	-	-	12,060	1,293,276
Indiana	10,753	1,216,983	94	1,328,050	-	-	10,847	2,545,033
Iowa	-	-	12	681,801	-	-	12	681,801
Kansas	-	-	670	507,275	-	-	670	507,275
Kentucky	12,362	467,095	-	7,250	-	-	12,362	474,345
Louisiana	-	-	-	-	-	-	-	-
Maine	-	-	-	-	-	-	-	-
Maryland	-	-	1,594	7,702,543	-	-	1,594	7,702,543
Massachusetts	-	-	3,881	5,582,684	-	-	3,881	5,582,684
Michigan	32,447	7,365,739	-	-	-	-	32,447	7,365,739
Minnesota	1,114	328,913	278	16,471	-	-	1,392	345,384
Mississippi	245	29,204	342	348,120	-	-	587	377,324
Missouri	16,833	1,580,474	25,269	3,134,990	-	-	42,102	4,715,464
Montana	541	68,917	960	527,211	-	-	1,501	596,128
Nebraska	-	-	1,990	175,063	-	-	1,990	175,063
Nevada	-	-	-	-	-	-	-	-
New Hampshire	-	7,009	-	-	-	-	-	7,009
New Jersey	-	-	2	2,977,000	-	-	2	2,977,000
New Mexico	1,712	864,910	-	-	-	-	1,712	864,910
New York	-	-	1,409	7,694,486	-	-	1,409	7,694,486
North Carolina	2,319	709,508	256	761,244	-	-	2,575	1,470,752
North Dakota	-	-	49	55,975	3	7,625	52	63,600
Ohio	7,563	424,170	-	-	-	-	7,563	424,170
Oklahoma	8,186	1,196,280	-	-	-	-	8,186	1,196,280
Oregon	1,015	759,240	-	-	-	-	1,015	759,240
Pennsylvania	4,548	626,628	5,654	5,488,300	-	-	10,202	6,114,928
Rhode Island	-	-	-	-	-	-	-	-
South Carolina	380	80,278	-	-	-	-	380	80,278
South Dakota	140	30,862	1,036	53,225	-	-	1,176	84,087
Tennessee	2,088	372,833	46	20,000	-	-	2,134	392,833
Texas	203	227,414	14,008	280,000	-	-	14,211	507,414
Utah	843	219,027	5,355	501,976	-	-	6,198	721,003
Vermont	2,118	114,131	-	-	-	-	2,118	114,131
Virginia	36,055	1,911,495	1,438	1,393,000	-	-	37,493	3,304,495
Washington	245	16,898	369	1,262,000	-	-	614	1,278,898
West Virginia	21,713	822,412	-	-	-	-	21,713	822,412
Wisconsin	3,128	384,023	-	-	48	35,000	3,176	419,023
Wyoming	180	62,600	689	1,983,205	-	-	869	2,045,805
Virgin Islands	-	-	24	303,300	-	-	24	303,300
Costs Incidental To Land Acquisition	-	2,806,280	-	4,845,972	-	33,534	-	7,685,786
Total	207,332	$30,939,481	104,061	$57,452,744	2,313	$1,039,037	313,706	$89,431,262

Source: Data supplied PLLRC by agencies.

Table A-3g Land Acquired from Land and Water Conservation Fund by Year, 1965-67

Fiscal Year	National Park Service		Forest Service		Bureau of Sport Fisheries & Wildlife		Total	
	Acres	$1000	Acres	$1000	Acres	$1000	Acres	$1000
1965	729	1,458	-	-	-	-	729	1,458
1966	3,974	6,386	67,893	7,321	-	-	71,867	13,707
1967	52,671	33,472	99,813	17,361	3	21	151,487	50,854
1968 to 12/31/67	46,687	16,137	39,626	6,257	2,310	1,018	88,623	23,412
Total to 12/31/67	104,061	57,453	207,332	30,939	2,313	1,039	313,706	89,431

Note: Includes undistributed overhead and related costs pertinent to lands acquired and in process of acquisition as of December 31, 1967

Source: Data provided PLLRC by agencies.

Table A-3h Forest Service Lands Purchased as of June 30, 1968 Under Acts of Congress

(Acres)

State	Weeks Law 3/1/11 as Amended	Special Forest Receipts	Cache National Forest 7/24/56 P.L. 781	3/3/25 [a]	Land & Water Conservation Fund Act 1965 [c]
Arizona	-	-	N/A [b]	-	1,628
California	135,933	22,428		4,999	2,593
Colorado	-	-		-	2,066
Idaho	36,834	-		2,949	1,163
Montana	-	-		-	318
Nevada	19,308	10,413		-	-
New Mexico	20,715	-		288	406
Oregon	53,600	-		7,280	1,009
Utah	155,624	108,621	15,957	320	740
Washington	419		N/A	367	393
Wyoming	-		N/A	-	160
Subtotal for 11 Western States	422,433	141,462	15,957	16,203	10,476
All Other States	18,870,880	32,350	-	1,037,924	171,180
Total United States	19,293,313	173,812	15,957	1,054,127	181,656
Total Appropriations	$109,410,248 [d]	$1,992,052	$200,000	-	$47,647,695
Average Appropriations per Acre Acquired for Entire United States	$5.67	$11.46	$12.53	-	$262.30

a/ Conveyed to U.S., Exchanges of Purchased Lands for Non-Federal Lands.
b/ N/A - Not Applicable.
c/ Monies available to the Forest Service from this fund are used for land purchases under authority of the Weeks Law and other Acts.
d/ Includes appropriation of $4,500,000 Boundary Waters Canoe Area, Superior National Forest, Minnesota.

Source: U.S.D.A, Forest Service, National Forest System as of June 30, 1968 and Annual Report of the National Forest Reservation Commission Letter from the Secretary of the Army transmitting pursuant to Law a report of the National Forest Reservation Commission for the Fiscal Year ended June 30, 1968.

Table A-3i. Land Acquisition by Exchange by Major Agencies, 1959-1969

Year	Forest Service [b]			Bureau of Land Management			Bureau of Sport Fisheries and Wildlife [c]		
	Granted Acres	Acquired Acres	Dollar Value	Granted Acres	Acquired Acres	Dollar Value	Granted Acres	Acquired Acres	Dollar Value
1959	N/A	N/A	N/A	N/A	3,320	-	N/A	-	N/A
1960					15,405	13,386		1,595	
1961					9,887	409,735		348	
1962					2,227	27,180		854	
1963					32,391	411,294		1,649	
1964	352,240	155,164	13,890,705		96,327	2,374,663		1,086	
1965	40,433	55,788	6,083,746		50,264	1,951,917		3,587	
1966	147,663	165,557	15,923,227		125,381	2,330,700		3,050	
1967	82,168	121,660	15,645,171		44,061	1,214,743		2,301	
1968	74,619	86,588	9,634,387		95,204	2,898,523		9,392	
1969	57,430	88,888	26,523,488		10,141	193,821		8,729	

Year	National Park Service			Department of Defense [c]			Atomic Energy Commission		
	Granted Acres	Acquired Acres [a]	Dollar Value	Granted Acres	Acquired Acres	Dollar Value	Granted Acres	Acqired Acres	Dollar Value
1959	N/A	102,876	572,737						
1960	N/A	686	43,118						
1961	1,921	2,520	188,346						
1962	3,783	3,725	275,495	N/A	320	N/A			
1963	3,460	11,901	673,233		4,996				
1964	9,743	4,370	1,609,589		528				
1965	28,078	29,985	1,710,706		28,448		840	30,000 [b]	-
1966	5,585	3,831	880,600		75		35	40	96,000
1967	2,163	8,723	210,353						
1968	4,976	4,500	924,775						
1969								53,000 [b]	-

[a] Includes acres less than fee: 1963 - 33 acres; 1965 - 233 acres; 1967 - 58 acres; and 1968 - 12 acres.
[b] Mineral rights only.
[c] Fiscal years.

Source: Provided to the PLLRC by Federal agencies.

Table A-3j National Forest Public Domain Land Exchanges by Year, 1962-67

(Acres)

Year	Area Received					Area Patented				
	North-east	North Central	South	West	U.S.	North-east	North Central	South	West	U.S.
1962	0	485	50	112,911	113,446	0	147	41	74,433	74,621
1963	0	134	0	27,285	27,419	0	131	0	25,397	25,528
1964	0	40	0	65,463	65,503	0	2	0	88,789	88,791
1965	0	754	0	37,534	38,288	0	345	0	21,105	21,450
1966	0	2,703	25	120,105	122,833	0	2,581	4	122,919	125,504
1967	0	280	170	63,512	63,962	0	224	80	49,370	49,674
Total 1962-67	0	4,396	245	426,810	431,451	0	3,430	125	382,013	385,568

Source: U.S. Dept. of Interior, Public Land Statistics. 1962-1967 (individual issues).

Table A-3k Approved Exchanges of Purchased National Forest Lands Under the Act of March 3, 1925 as Supplemented and Lands Offered the United States by Year, 1957-67

(Acres)

Year	California		Idaho		Oregon		Utah		New Mexico		Washington	
	Offered to U.S.	Granted by U.S.	Offered to U.S.	Granted by U.S.	Offered to U.S.	Granted by U.S.	Offered to U.S.	Granted by U.S.	Offered to U.S.	Granted by U.S.	Offered to U.S.	Granted by U.S.
1957	0	0	40	40	704	379	0	0	0	0	85	40
1958	0	0	0	0	927	172	0	0	0	0	0	0
1959	588	99	321	320	25	42	0	0	0	0	281	642
1960	0	0	0	0	330	14	0	0	0	0	0	0
1961	0	0	246	240	929	916	0	0	0	0	0	0
1962	0	0	0	0	40	3	0	0	0	0	0	0
1963	80	134	0	0	0	0	0	0	0	0	0	0
1964	0	0	160	272	0	0	0	0	0	0	0	0
1965	0	0	407	461	34	97	239	200	0	0	0	0
1966	410	97	1,974	1,725	2,308	240	0	0	8	2	0	0
1967	0	0	1,040	880	0	0	812	795	280	76	0	0

Source: Annual Report of the National Forest Reservation Commission, 1958-1968.

Table A-31 National Forest Reserved Land Exchanges in Western States, by Year, 1962-67

(Acres)

Year	Arizona	Calif.	Colorado	Idaho	Montana	Nevada	New Mexico	Oregon	Utah	Wash.	Wyoming
1962											
Received	4,215	14,511	1,423	730	0	0	91,126	709	0	77	120
Patented	2,772	10,555	8,322	800	0	0	51,495	274	0	95	120
1963											
Received	3,779	15,792	649	822	110	2,957	686	408	1,842	0	240
Patented	991	15,369	540	885	20	2,901	2,557	178	1,716	0	240
1964											
Received	10,381	8,730	0	150	28	1,800	26,797	8,278	0	9,299	0
Patented	4,606	6,661	0	132	37	2,200	60,416	5,449	0	9,288	0
1965											
Received	10,431	5,754	41	150	6	0	3,147	705	9,759	7,541	0
Patented	5,102	2,394	120	165	9	0	971	567	6,299	5,478	0
1966											
Received	6,491	32,602	1,019	1,153	1,185	0	37,644	3,172	32,147	4,397	295
Patented	2,768	24,013	2,062	996	1,180	0	54,584	2,728	28,361	5,894	333
1967											
Received	8,812	8,933	6,068	2,299	2,356	0	5,494	12,686	4,590	11,594	680
Patented	3,423	4,574	5,202	2,188	1,999	0	6,153	11,241	5,329	8,594	667
Total 1962-67											
Received	44,109	86,322	9,200	5,304	3,685	4,757	164,894	25,958	48,338	32,908	1,335
Patented	19,662	63,566	16,246	5,166	3,245	5,101	176,176	20,437	41,705	29,349	1,360

Source: U.S. Department of Interior, Public Land Statistics, 1962-67 (Individual issues).

Table A-4a Disposition of Public Lands, 1781-1968

Type of disposition	Acres
Disposition by methods not elsewhere classified [1]	303,100,000
Granted or sold to homesteaders [2]	287,500,000
Granted to States for:	
Support of common schools	77,600,000
Reclamation of swampland	64,900,000
Construction of railroads	37,100,000
Support of miscellaneous institutions [3]	21,700,000
Purposes not elsewhere classified [4]	117,500,000
Canals and rivers	6,100,000
Construction of wagon roads	3,400,000
Total granted to States	328,300,000
Granted to railroad corporations	94,300,000
Granted to veterans as military bounties	61,000,000
Confirmed as private land claims [5]	34,000,000
Sold under timber and stone law [6]	13,900,000
Granted or sold under timber culture law [7]	10,900,000
Sold under desert land law [8]	10,600,000
Grand total	1,143,600,000

1/ Chiefly public, private, and preemption sales, but includes mineral entries, scrip locations, sales of townsites and townlots.

2/ The homestead laws generally provide for the granting of lands to homesteaders who settle upon and improve vacant agricultural public lands. Payment for the land is sometimes permitted or required, under certain conditions.

3/ Universities, hospitals, asylums, etc.

4/ For construction of various public improvement (individual items not specified in the granting acts), reclamation of desert lands, construction of water reservoirs, etc.

5/ The Government has confirmed title to lands claimed under valid grants made by foreign governments prior to the acquisition of the public domain by the United States.

6/ The timber and stone laws provided for the sale of lands valuable for timber or stone and unfit for cultivation.

7/ The timber culture laws provided for the granting of public lands to settlers on condition that they plant and cultivate trees on the lands granted. Payment for the lands was permitted under certain conditions.

8/ The desert land laws provide for the sale of arid agricultural public lands to settlers who irrigate them and bring them under cultivation.

Note: Data are estimated from available records.

Table A-4b Acreage Granted to States Ranked in Ascending Order

(1,000 acres)

State	Public Domain 1966	Acreage Granted Within State[a/]	Scrip for Acreage Outside of State	Total
Hawaii	-	-	-	-
Delaware	-	-	90	90
Rhode Island	-	-	120	120
New Hampshire	-	-	150	150
Vermont	-	-	150	150
West Virginia	-	-	150	150
Connecticut	-	-	180	180
South Carolina	-	-	180	180
Texas	-	-	180	180
Maine	-	-	210	210
Maryland	-	-	210	210
New Jersey	-	-	210	210
Georgia	-	-	270	270
North Carolina	-	-	270	270
Tennessee	-	-	300	300
Virginia	-	-	300	300
Kentucky	-	-	330	330
Massachusetts	-	-	360	360
Pennsylvania	-	-	780	780
New York	-	-	990	990
Nevada	60,812	2,724	-	2,724
Ohio	b/	2,129	630	2,759
Washington	11,089	3,044	-	3,044
Oklahoma	160	3,096	-	3,096
North Dakota	209	3,164	-	3,164
South Dakota	1,590	3,435	-	3,435
Nebraska	252	3,459	-	3,459
Idaho	33,246	3,640	-	3,640
Wyoming	29,266	4,139	-	4,139
Indiana	b/	3,916	390	4,306
Colorado	23,054	4,434	-	4,434
Alabama	28	4,747	240	5,007
Montana	25,194	5,871	-	5,871
Mississippi	6	5,887	210	6,097
Illinois	b/	5,755	480	6,235
Oregon	28,588	6,959	-	6,959
Missouri	3	7,417	-	7,417
Utah	34,674	7,464	-	7,464
Kansas	27	7,791	-	7,791
Iowa	b/	8,061	-	8,061
California	42,120	8,825	-	8,825
Wisconsin	10	10,180	-	10,180
Arizona	32,151	10,544	-	10,544
Louisiana	21	11,231	210	11,441
Arkansas	1,074	11,787	150	11,937
Michigan	299	12,143	-	12,143
New Mexico	25,027	12,790	-	12,790
Minnesota	1,395	16,422	-	16,422
Florida	323	24,118	90	24,208
Alaska	358,033	104,568	-	104,568
Total	708,649	319,760	7,830	327,590

a/ The first 20 states did not contain public domain.
b/ Less than 500 acres. Totals may not add exactly due to rounding.

Source: Public Land Statistics, 1968, Bureau of Land Management.

Table A-4c Acreage Granted Land Grant States Ranked in Ascending Order

State	Total Acres Granted	Rank in Order of Acreage Granted
Ohio	2,128,862	1
Nevada	2,723,647	2
Washington	3,044,471	3
Oklahoma	3,095,760	4
North Dakota	3,163,551	5
South Dakota	3,435,373	6
Nebraska	3,458,711	7
Idaho	3,639,554	8
Indiana	3,916,334	9
Wyoming	4,139,209	10
Colorado	4,433,898	11
Alabama	4,766,883	12
Illinois	5,754,655	13
Montana	5,871,058	14
Mississippi	5,887,064	15
Oregon	6,959,405	16
Missouri	7,417,022	17
Utah	7,464,497	18
Kansas	7,790,747	19
Iowa	8,061,262	20
California	8,825,106	21
Wisconsin	10,179,804	22
Arizona	10,543,753	23
Louisiana	11,231,032	24
Arkansas	11,786,834	25
Michigan	12,142,846	26
New Mexico	12,789,916	27
Minnesota	16,422,051	28
Florida	24,118,000	29
Alaska	104,568,280	30
Total	319,759,585	

Source: PLLRC Study Report "Land Grants to States" - April, 1949.

Table A-4d Federal Grants to Public Land States by Purpose, 1803-1960

Year of Admission	State	Schools		Salt Springs Acres	Public Buildings Acres	Seminaries (university) Acres	A & M Colleges Acres	Canals, River Improvements Acres	For Railroads Acres	Wagon Roads Acres	Swampland Acres	Swamp-land Indemnity Acres	Percentage of Net Proceeds	Miscellaneous Acres
		Section(s)	Acres											
1803	Ohio	16	724,266	24,216		69,120	630,000 (scrip)	938,294		80,773	26,251		3, roads	
1812	Louisiana	16	807,271			46,080	210,000 (scrip)	500,000	373,057		9,504,412[a]		5, roads, levees	
1816	Indiana	16	668,578	23,040		46,080	390,000 (scrip)	1,746,224		170,580	1,254,310	4,880	3, roads	
1817	Mississippi	16	824,213		1,253	69,120	210,000 (scrip)	500,000	1,075,345		3,287,060	56,781	3, roads, canals	
1818	Illinois	16	996,320	121,029	2,560	46,080	480,000 (scrip)	533,368	2,595,133		1,457,614	2,309	3, schools	
1819	Alabama	16	911,627	23,040	1,620	92,160	240,000 (scrip)	500,000	2,747,479		418,715	22,951	3, internal imp.	50,181
1821	Missouri	16	1,221,813	46,080	2,560	46,080	330,000	500,000	1,837,968		3,346,936	85,585	3, internal imp.	
1836	Arkansas	16	933,778	46,080	10,600	46,080	150,000 (scrip)	500,000	2,563,721		7,686,575		5, internal imp.	
1837	Michigan	16	1,021,867	46,080	3,200	46,080	240,000	1,751,236	3,134,058	221,013	5,655,922	24,390	5, internal imp.	
1845	Florida	16	975,307		5,120	92,160	90,000 (scrip)	500,000	2,218,705		20,211,108	115,600	5, schools	
1846	Iowa	16	1,000,679	46,080	3,200	46,080	240,000	500,000	4,706,945		874,112	322,280	5, internal imp.	
1848	Wisconsin	16	982,329		6,400	92,160	240,000	1,522,349	3,652,322	302,931	3,251,683	109,600	5, schools	
1850	California	16, 36	5,534,293		6,400	46,080	150,000	500,000			2,193,965		[d]	
1858	Minnesota	16, 36	2,874,951	46,080	6,400	92,160	120,000	500,000	8,047,469		4,706,591		5, internal imp.	28,392
1859	Oregon	16, 36	3,399,360	46,080	6,400	46,080	90,000	500,000		2,583,890	286,108		5, internal imp.	127,324
1861	Kansas	16, 36	2,907,520	46,080	6,400	46,080	97,682	500,000	4,176,329				5, internal imp.	3,021
1864	Nevada	16, 36	2,061,967[a]		12,800	46,080	90,000	500,000					5, roads, ditches	12,800
1867	Nebraska	16, 36	2,730,951	46,080	12,800	46,080	90,000	500,000					5, schools	32,800
1876	Colorado	16, 36	3,685,618	46,080	32,000	46,080	91,600	500,000					5, internal imp.	32,000
1889	North Dakota	16, 36	2,495,396		82,000	86,080	130,000						5, schools	370,000
1889	South Dakota	16, 36	2,733,084		82,000	86,080	160,000						5, schools	371,440
1889	Montana	16, 36	5,198,258		182,000	46,080	140,000						5, schools	463,120
1889	Washington	16, 36	2,376,391		132,000	46,080	90,000						5, schools	400,000
1890	Idaho	16, 36	2,963,698		32,000	96,080	90,000						5, schools	482,187
1890	Wyoming	16, 36	3,472,872		107,000	46,080	90,000						5, schools	532,480
1896	Utah	2, 16, 32, 36	5,844,196		64,000	156,080	200,000						5, schools	1,150,000
1907	Oklahoma	16, 36[b]	2,044,000		1,760	250,000	350,000						5, schools	450,000
1912	New Mexico	2, 16, 32, 36	8,711,324		132,000	312,702	250,000						5, schools	3,040,000
1912	Arizona	2, 16, 32, 36	8,093,156		100,000	246,000	150,000						5, schools	1,900,000
1960	Alaska [e]												5, schools	103,350,000

[a] Nevada was permitted by an Act of 1880 to exchange its place grant of sections 16 and 36 for 2 million acres which it could select where land appeared to be most valuable.

[b] Oklahoma was given two sections in each township of public lands and sections 13 and 33 in some Indian tracts.

[c] Includes indemnity land.

[d] Not until 1906 was California given the retroactive equivalent of 5 percent of the net proceeds from the sale of public lands.

[e] Alaska was given the right to select 103,350,000 acres of public lands of which 400,000 were to be in National Forests.

Source: Various sources were relied upon in compiling this table.

Table A-4e Grants to Railroads, 1850-1969

State	Acres
Arizona	7,790,128.85
Arkansas	23,249.94
California	11,588,876.57
Colorado	3,757,673.39
Idaho	1,320,753.67
Iowa	4,383.11
Kansas	4,057,683.78
Louisiana	1,001,943.40
Minnesota	1,905,559.14
Missouri	490,705.87
Montana	14,739,697.12
Nebraska	7,272,623.25
Nevada	5,086,603.65
New Mexico	3,355,179.07
North Dakota	10,697,490.35
Oregon	3,656,085.50 1/
Utah	2,230,085.01
Washington	9,617,384.26
Wisconsin	12,739.94
Wyoming	5,749,051.12
Total	94,358,896.99

1/ Includes O & C acreage, title to which was revested in the United States by the Act of June 9, 1916 (39 Stat. 218).

Source: Public Land Statistics, Bureau of Land Management

Table A-4f Acreage Offered and Sold Under Public Sale Laws, 1822-1894

Year	Acreage Offered*	Acreage Sold	Entries With Military Land Warrants	Scrip Entries
1822	78,723,174	15,615,489	----------	----------
1823	11,414,598	653,319	----------	----------
1824	7,294,186	749,323	----------	----------
1825	3,419,604	893,461	----------	----------
1826	2,880,703	848,082	----------	----------
1827	3,314,816	926,727	----------	----------
1828	3,268,493	965,600	----------	----------
1829	6,148,962	1,244,860	----------	----------
1830	6,750,798	1,929,733	----------	----------
1831	11,005,561	2,777,856	----------	----------
1832	4,205,805	2,462,342	----------	----------
1833	6,614,596	3,856,227	----------	----------
1834	13,056,865	4,658,218	----------	----------
1835	13,767,268	12,564,478	----------	----------
1836	509,034	20,074,870	----------	----------
1837 (to Sept.)	----------	4,805,566	----------	----------
1838	20,984,444	3,414,907	----------	----------
1839	12,170,411	4,976,383	----------	----------
1840	13,531,798	2,236,890	----------	----------
1841	3,303,558	1,164,786	----------	----------
1842	10,925,550	1,129,218	----------	----------
1843	5,124,367	1,605,264	----------	----------
1844	9,245,763	1,754,763	----------	----------
1845	5,557,584	1,845,527	----------	----------
1846	12,535,878	2,263,731	----------	----------
1847	9,138,531	2,521,306	239,880	55,903
1848	9,459,741	1,887,553	2,288,960	57,249
1849	6,131,990	1,329,903	3,405,520	53,935
1850	6,411,156	1,405,839	2,167,680	----------
1851	7,731,537	1,846,847	2,454,000	----------
1852	8,032,463	1,553,071	3,201,314	115,682
1853	10,715,098	1,083,495	6,142,360	21,309
1854	8,189,017	7,035,735	3,402,520	299,434
1855	1,178,003	15,729,524	1,345,580	240,594
1856	----------	9,227,878	8,382,480	72,067
1857	1,328,156	4,142,744	6,283,920	----------
1858	11,109,120	3,804,900	5,802,150	----------
1859	15,242,815	3,961,581	2,914,700	----------
1860	9,257,217	3,461,204	2,782,780	----------
1861	3,685,287	1,465,604	2,017,440	----------
1862	5,156,963	144,850	611,827	----------
1863	3,287,817	91,354	464,682	----------
1864	3,696,892	432,774	515,900	214,418
1865	----------	557,213	348,660	460,130
1866	6,423,984	388,294	403,180	651,066
1867	310,000	756,620	476,760	2,130,493
1868	3,131,400	914,941	512,533	1,653,309
1869	3,430,000	2,899,544	449,780	376,924
1870	3,568,240	2,159,516	512,360	209,675
1871	750,320	1,389,982	525,920	510,960
1872	----------	1,370,320	389,460	699,373
1873	308,000	1,626,266	214,940	667,668
1874	----------	1,041,345	133,160	125,325
1875	----------	745,061	137,000	22,140
1876	----------	640,692	137,640	23,369
1877	----------	740,686	97,480	9,358
1878	----------	877,555	84,720	94,684
1879	----------	622,573	50,820	93,190
1880	----------	850,741	88,522	207,703
1881	----------	1,587,617	55,662	32,342
1882	----------	3,611,530	43,866	13,940
1883	3,000,000	----------	45,414	16,598
1884	1,500,000	----------	26,586	9,959
1885	----------	----------	26,833	10,143
1886	----------	----------	28,016	2,191
1887	----------	----------	18,775	3,280
1888	----------	----------	18,985	26,342
1889	----------	----------	19,483	17,373
1890	----------	----------	19,034	10,710
1891	----------	----------	21,686	10,225
1892	----------	----------	13,254	34,771
1893	----------	----------	5,086	8,742
1894	----------	----------	5,762	2,194

* Acreage offered, but includes acreage subsequently postponed or cancelled.

Table A-4g Homestead and Preemption Entries[a], 1863-1967

Year	Original		Final		Commutations[b]		Preemptions	
	Number	Acres	Number	Acres	Number	Acres	Number	Acres
1863	8,223	1,032,871						
1864	9,505	1,247,170						
1865	8,924	1,141,443						
1866	15,353	1,890,847						
1867	16,957	1,834,512						
1868	23,746	2,332,151	2,772	355,086				
1869	25,628	2,698,481	3,965	504,301				
1870	33,972	3,754,203	4,041	519,728				
1871	39,768	4,657,355	5,087	629,162				
1872	38,742	4,595,435	5,917	707,409				
1873	31,561	3,760,199	10,311	1,224,891				
1874	29,126	3,489,570	14,129	1,585,782				
1875	20,668	2,369,782	18,293	2,068,538				
1876	25,104	2,867,813	22,530	2,590,553				
1877	18,675	2,176,257	19,900	2,407,828				
1878	35,630	4,496,854	22,460	2,662,981				
1879	41,005	5,267,384	17,391	2,070,842				
1880	47,293	6,054,708	15,441	1,938,235				
1881	36,999	5,028,100	15,077	1,928,005	858	177,329	5,050	721,146
1882	45,331	6,348,045	17,174	2,219,454	7,438	1,077,383	9,255	1,351,380
1883	56,565	8,171,914	18,988	2,504,414	8,411	1,286,119	15,221	2,285,710
1884	55,045	7,831,509	21,843	2,945,575	9,623	1,426,188	21,286	3,206,095
1885	50,877	7,415,885	22,066	3,032,679	7,633	1,127,444	15,800	2,311,296
1886	61,638	9,145,135	19,356	2,663,532	4,866	720,415	15,712	2,279,218
1887	52,028	7,594,350	19,866	2,749,037	10,201	1,578,767	21,403	3,172,411
1888	46,236	6,676,615	22,413	3,175,401	14,057	2,137,988	23,151	3,463,306
1889	42,183	6,029,230	25,549	3,681,709	10,030	1,521,537	19,586	2,902,028
1890	40,244	5,531,678	28,080	4,060,593	6,065	905,536	15,243	2,204,905
1891	37,602	5,040,393	27,666	3,954,588	3,916	546,302	9,803	1,391,413
1892	55,113	7,716,062	22,822	3,259,897	2,914	383,699	6,603	913,782
1893	48,436	6,808,791	24,204	3,477,232	3,175	425,665	4,824	718,336
1894	56,632	8,046,967	20,544	2,929,647	2,379	319,308	1,332	195,578
1895	37,336	5,009,491	20,922	2,980,809	2,306	312,538	416	57,880
1896	36,548	4,830,915	20,099	2,790,243	1,875	242,305	345	47,170
1897	33,250	4,452,289	20,115	2,778,404	1,301	162,355	138	18,547
1898	44,980	6,206,557	22,281	3,095,018	2,331	313,205	112	15,399
1899	45,776	6,177,587	22,812	3,134,149	3,083	424,293	114	15,294
1900	61,270	8,478,409	25,278	3,477,687	3,953	543,944	120	16,359
1901	68,648	9,497,275	37,544	5,240,780	5,115	709,855	81	12,065
1902	98,829	14,033,245	31,618	4,342,486	7,989	1,105,850	66	9,270
1903	80,188	11,193,120	26,343	3,575,761	15,198	2,194,743	104	14,200
1904	69,175	10,171,265	23,912	3,232,293	15,092	2,142,185	72	9,675
1905	70,344	12,895,571	34,765	4,835,488	10,144	1,416,100	46	5,619
1906	89,600	13,974,931	35,309	4,984,543	9,765	1,367,793	19	2,005
1907	93,957	14,754,584	40,545	5,769,783	13,343	1,926,526	20	2,701
1908	87,057	13,586,348	52,695	7,366,988	23,059	3,124,277	89	10,877
1909	75,445	12,302,146	46,767	6,763,682	21,257	3,064,215	74	8,315
1910	98,598	18,329,115	42,504	6,703,081	17,092	2,559,123	429	34,727
1911	70,720	15,189,087	44,456	7,385,019	17,679	2,635,969	24	1,706
1912	52,991	11,246,298	41,064	6,767,940	16,738	2,461,871	31	2,543
1913	57,800	11,222,053	59,363	10,884,822	6,111	875,536	22	3,063
1914	21,229	12,117,087	53,308	9,941,317	4,584	650,196	63	8,363
1915	62,360	12,439,774	40,037	7,560,805	2,694	379,923	7	740
1916	65,262	13,628,107	39,703	7,508,691	1,745	230,409	4	394
1917	58,896	12,020,527	45,222	6,683,248	1,494	185,818	6	221
1918	35,875	7,419,628	42,512	8,380,852	1,193	144,414	1	40
1919	39,341	10,203,965	33,464	6,615,818	841	91,057	2	86
1920	48,532	13,501,100	40,581	8,459,241				

NOT REPRODUCIBLE

(Cont.)

Table A-4g HOMESTEAD AND PREEMPTION ENTRIES[a] (*Cont.*)

Year	Original		Final		Commutations[b]		Preemptions	
	Number	Acres	Number	Acres	Number	Acres	Number	Acres
1921	43,813	13,661,635	34,490	7,795,158				
1922	29,263	8,979,792	31,363	7,357,102				
1923	18,942	5,524,159	22,683	5,621,311				
1924	14,506	3,984,155	18,266	4,811,311				
1925	11,658	3,188,686	14,884	4,067,769				
1926	10,790	3,001,403	12,404	3,466,363				
1927	10,500	3,236,764	9,560	2,608,071	245	24,444		
1928	10,429	3,366,185	6,811	1,828,258	144	12,708		
1929	11,598	4,178,495	6,367	1,711,993				
1930	13,248	4,920,842	5,068	1,380,542				
1931	13,099	4,924,046	4,932	1,360,221				
1932	11,010	4,049,854	4,130	1,214,519	53	4,625		
1933	7,769	2,714,029	3,087	908,329				
1934	7,741	2,862,142	3,627	1,125,394				
1935	3,458	1,193,312	4,925	1,642,134				
1936	1,313	383,656	5,221	1,766,700				
1937	609	121,777	5,441	1,916,823				
1938	464	81,920	3,952					
1939	410	70,925	3,081	1,089,936				
1940	383	50,141	1,815	654,015				
1941	425	53,440	1,187	389,970	30	2,230		
1942	285	37,435	821	202,666	18	1,324		
1943	213	29,299	499	114,481	18	1,440		
1944	158	19,868	418	53,719	17	1,319		
1945	185	22,694	249	37,398	11	1,064		
1946	144	18,260	254	33,506	4	240		
1947	475	55,092	243	30,200	26	2,121		
1948	689	85,734	168	20,576	6	481		
1949	684	82,712	335	41,541	16	2,112		
1950	571	79,840	418	49,392	14	1,567		
1951	415	56,209	660	70,830	26	2,873		
1952	460	59,070	357	41,965	20	2,092		
1953	483	61,536	353	44,497	13	1,172		
1954	474	60,127	370	46,056	8	642		
1955	482	43,569	340	39,458	15	1,783		
1956	455	57,315	330	42,903				
1957	662	79,452	422	65,753	18	2,170		
1958	524	69,641	306	43,147	40	4,289		
1959	1,181	146,766	342	41,506				
1960	1,077	147,916	376	45,097				
1961	612	76,875	438	57,461				
1962	661	80,452	173	23,138	213	27,101		
1963	383	46,139	199	24,659	245	31,680		
1964	291	31,441	515	63,423	344	42,081		
1965	182	22,173	262	30,289	159	18,299		
1966	115	15,514	249	33,526	142	20,769		
1967	51	7,442	196	23,405	12	1,518		
Totals	2,992,058	510,748,328	1,623,691	270,415,324			186,674	27,413,863

[a] Preemption entries and commuted homesteads are not available in the *Annual Reports* for the years before 1881, nor have I been able to fill in the commuted entries for the years after 1919 save for scattered years and for 1941–1967. Most of the later commuted entries are for homesteads on Indian lands.

[b] An official of the Department of the Interior told the author that commuted homesteads are included in the final entries in the columns above, though in some of the earlier years this is not clear. Homesteads on ceded Indian lands are not included. In *Public Land Statistics, 1967*, p. 6, the total acreage "granted or sold to homesteaders" i.e. final entries including commutations and homesteads on ceded Indian lands, is 287,300,000. Jerry A. O'Callaghan, Bureau of Land Management, Department of the Interior, to the author, January 8, 1965.

Source: PLLRC Report; "History of Public Land Law Development," Paul W. Gates, November, 1968.

NOT REPRODUCIBLE

FEDERAL LAND GRANTS TO STATES
1803-1964

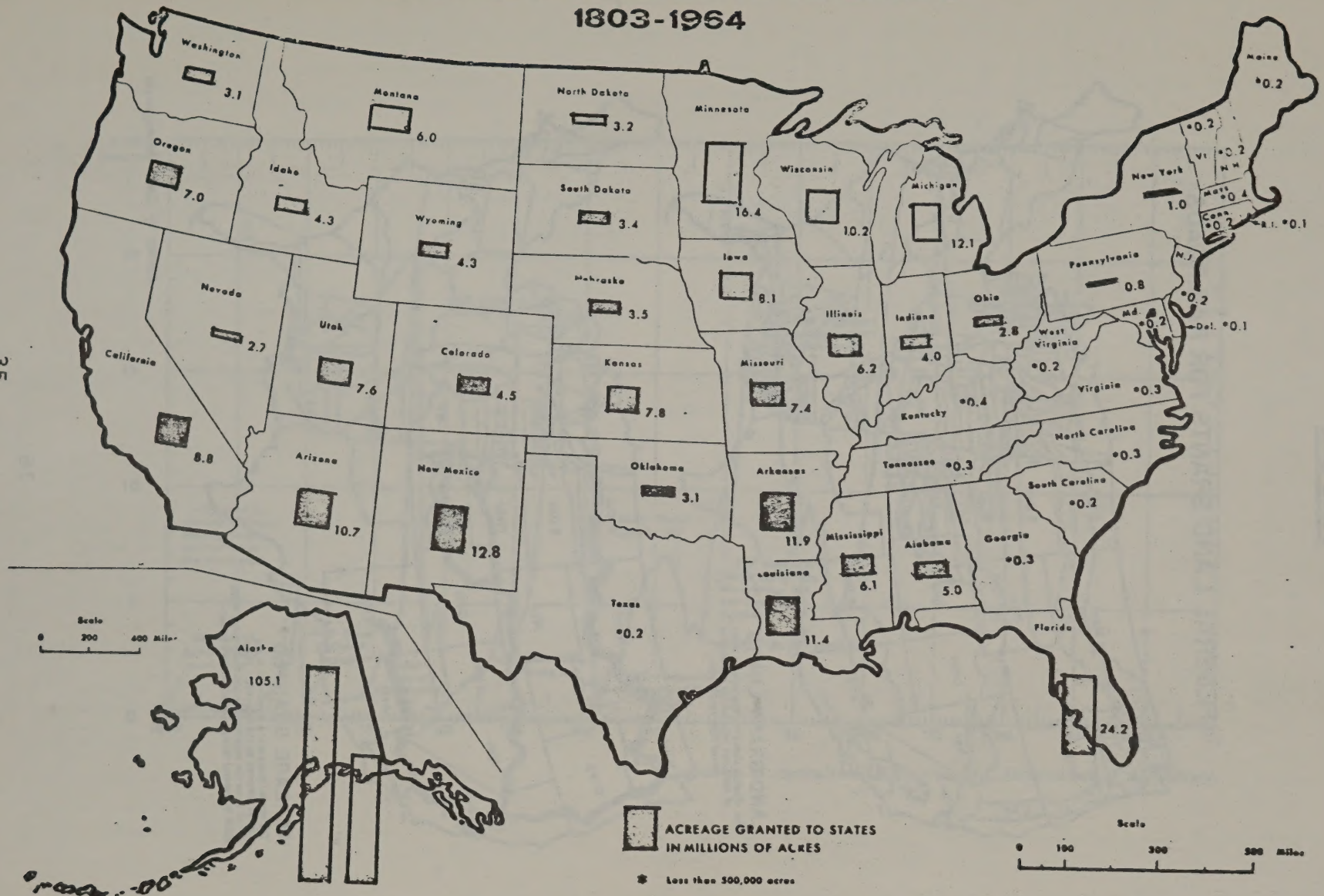
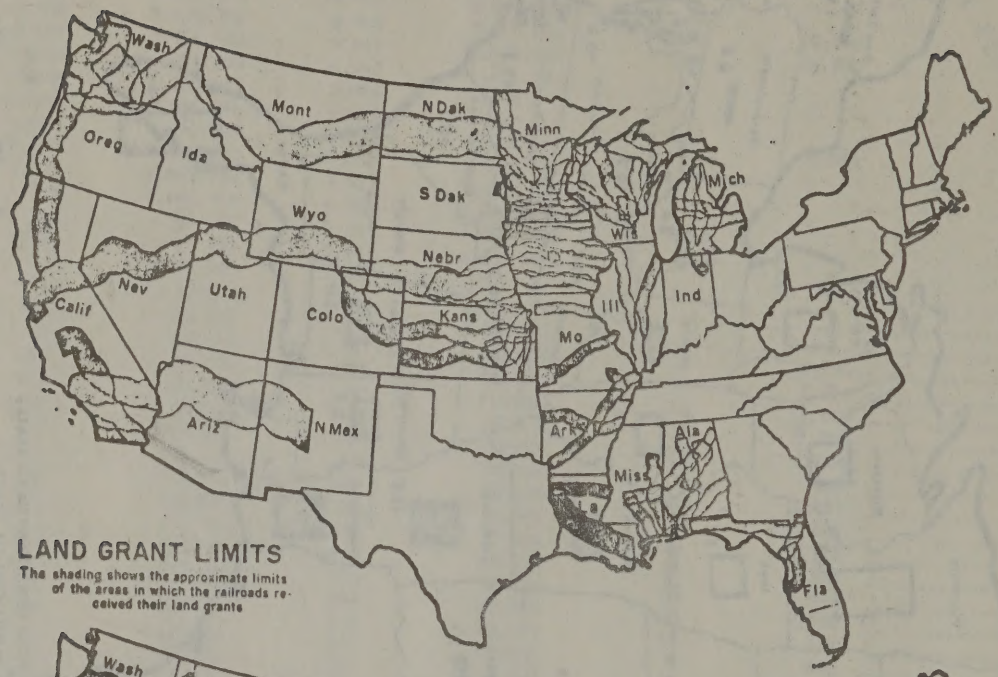


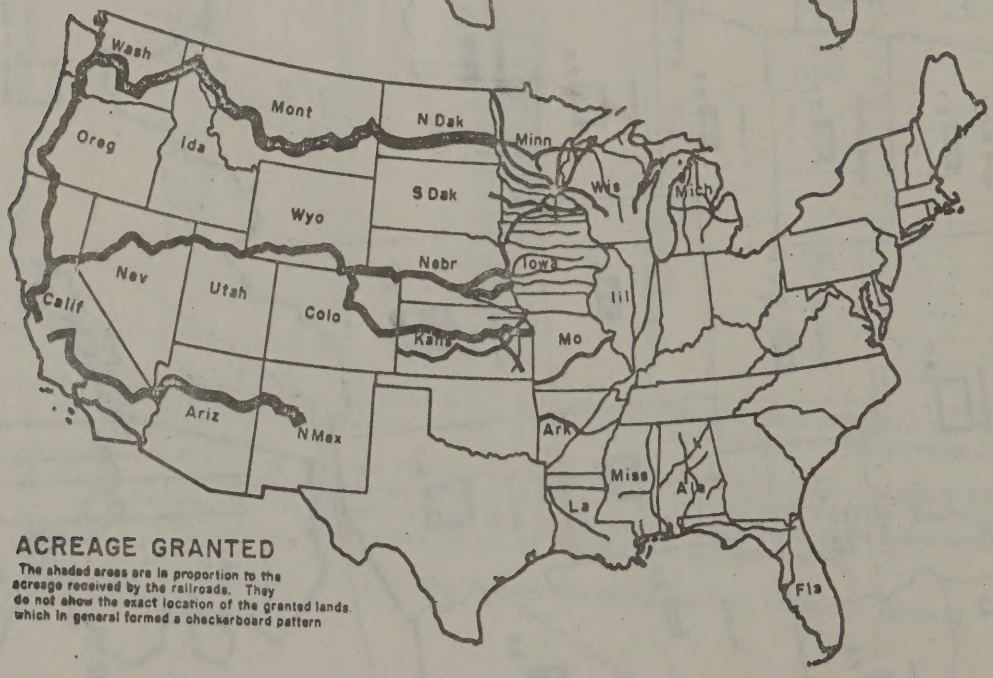
Plate A-4i

FEDERAL LAND GRANTS FOR RAILROADS



LAND GRANT LIMITS

The shading shows the approximate limits of the areas in which the railroads received their land grants

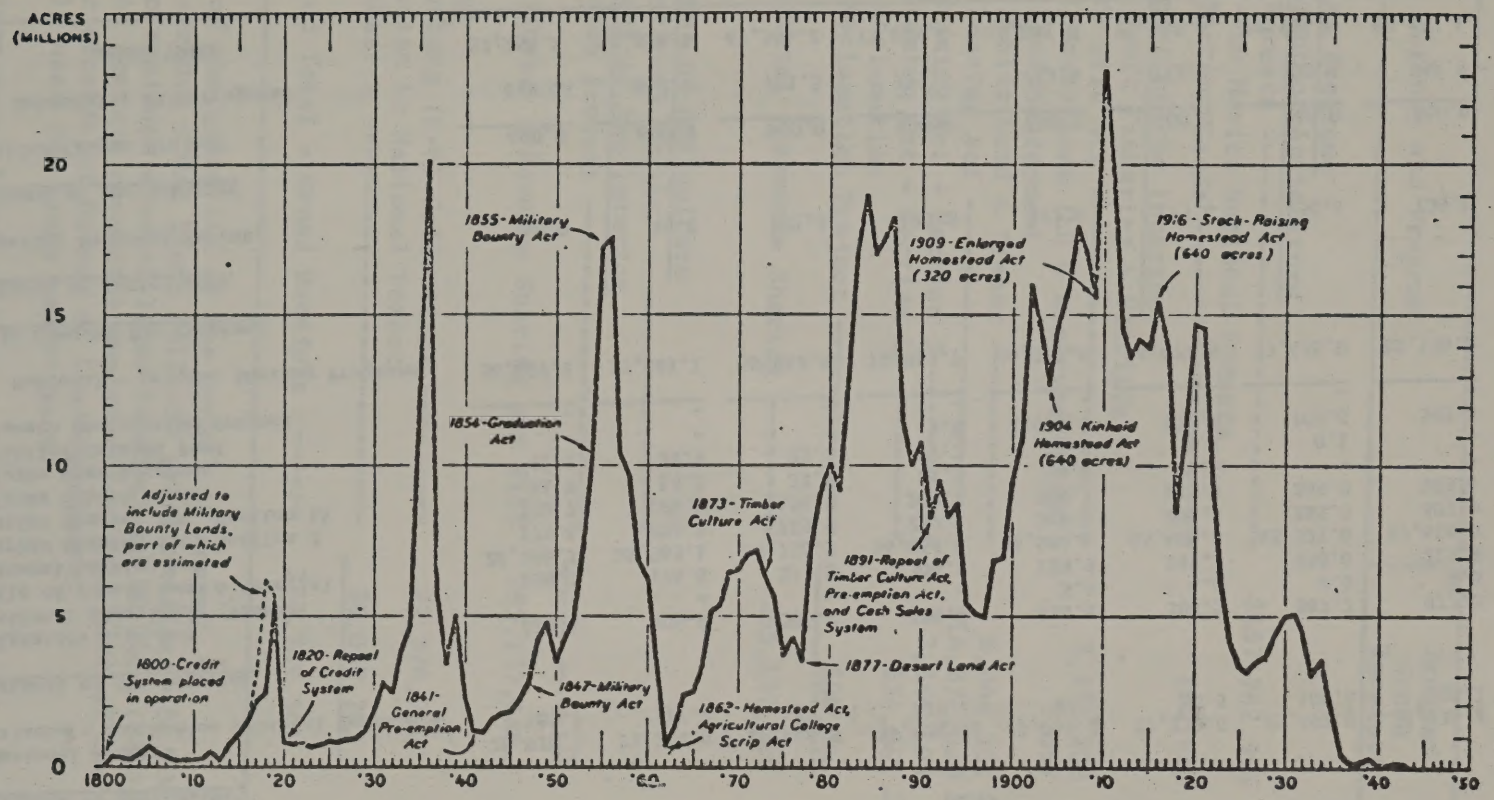


ACREAGE GRANTED

The shaded areas are in proportion to the acreage received by the railroads. They do not show the exact location of the granted lands, which in general formed a checkerboard pattern

Bureau of Land Management

Plate A-4j Original Land Entries, 1800-1943



Bureau of Agricultural Economics, U.S. Department of Agriculture.

Table A-5a Accrued Payments to States Under Revenue Sharing and Payment in Lieu of Taxes Programs, by Program, on Federal Lands, 1957-66 a/

($1,000)

Agency and Program	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Revenue Sharing Programs										
Department of Agriculture										
National Forests	26,975.3	22,202.9	29,666.9	35,406.8	25,054.2	27,233.0	29,992.0	32,835.7	35,502.9	41,940.8
Arizona - New Mexico National Forests b/	105.5	117.2	113.9	139.7	99.2	80.5	100.4	108.2	112.1	102.9
Department of the Interior										
Migratory Bird Act	610.6	506.4	506.2	486.6	496.8	582.5	587.7	377.3	1,063.8	1,550.7
National Grasslands (BSF&W)	-	-	-	-	5.6	4.0	2.0	2.8	2.3	1.4
Sale of Public Land & Material	198.1	174.8	273.8	304.3	259.9	249.3	230.0	229.5	220.4	241.8
Mineral Leasing Act	28,246.3	34,365.1	35,750.5	34.668.4	36,686.4	45,401.4	45,327.0	47,418.9	46,471.6	47,594.4
Taylor Grazing Act, Section 3	179.6	225.3	225.9	257.1	218.4	205.3	285.0	302.9	290.8	320.6
Taylor Grazing Act, Section 15	178.7	176.0	176.9	209.7	200.7	183.6	209.0	265.6	261.4	277.0
Alaska School Lands	21.9	13.5	33.5	11.9	4.4	0.4	-	-	-	-
Alaska Game Licenses	91.2	99.9	95.3	17.3	1.8	0.8	0.1	-	-	-
Pribilof Islands Fund	-	-	-	3.9	1,050.0	536.8	702.8	589.3	963.6	-
Klamath Reclamation Project	-	-	-	-	-	-	-	-	-	73.5
Subtotal - Revenue Sharing Programs	56,607.2	57,881.1	66,842.9	72,315.7	64,077.4	74,477.6	77,436.0	82,130.2	84,888.9	92,103.1
Payment in Lieu of Tax Programs										
Department of Agriculture										
Superior National Forest	48.0	48.2	121.3	123.3	123.6	125.4	130.6	136.9	140.6	144.8
Department of the Interior										
Boulder Canyon Project	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0
Subtotal - PILT Programs	648.01	648.2	721.3	723.3	723.6	725.4	730.6	736.9	740.6	744.8
GRAND TOTAL	57,255.2	58,529.3	67,564.2	73,039.0	64,801.0	75,203.0	78,166.6	82,867.1	85,629.5	92,847.9

a/ As defined in Section 10 of Public Law 88-606, except that OCE-Flood Control Program payments are omitted because separation by type of land is not feasible on the basis of available reports.

b/ Payments into common school funds for designated school section lands.

Source: Revenue Sharing and Payments in Lieu of Taxes on the Public Land, prepared for PLLRC, Volume 1, Table No. A-4.

Table A-5b Gross Receipts and Payments to States from Revenue Sharing, Payment in Lieu of Taxes and Related Programs, on Federal Lands, 1966

Agency and Program	Program Gross Receipts	Accrued Payments to States
1. Revenue Sharing Programs		
U.S. Department of Agriculture		
National Forests	$167,762,996	$41,940,749
Arizona - New Mexico National Forests School Section Lands	102,930	102,930
U.S. Department of the Interior		
Bureau of Sport Fisheries & Wildlife		
Migratory Bird Act	2,956,208	1,550,703
National Grasslands (LU & Reserved Lands)	5,597	1,399
Bureau of Land Management		
Sale of Public Land & Timber	6,044,381 a/	241,775
Mineral Leasing Act	114,871,020 b/	47,594,344
Taylor Grazing Act - Section 3	2,546,195	320,627
Taylor Grazing Act - Section 15	554,061 c/	277,031
Bureau of Reclamation		
Klamath Reclamation Project	294,096	73,524
Subtotal - Revenue Sharing	295,137,484	92,103,082
2. PILT Programs		
U.S. Department of Agriculture		
Superior National Forest	-	144,815
U.S. Department of the Interior		
Boulder Canyon Project	-	600,000
Subtotal - Revenue Sharing and PILT	295,137,484	92,847,897
3. Related Programs		
Knutson-Vandenburg (K-V) Collections	22,574,790	-
Road Construction by National Forest Timber Purchasers	56,037,267	-
Grand Total - Gross Receipts	373,749,541	92,847,897

a/ Only 5% of 80% of the gross (4% of the gross) is shared.
b/ Excludes Red River Oil & Gas lands ($11,013 gross receipts, $4,130 accrued payments). Also excludes mineral lease receipts on LU land ($220,168 gross receipts, $55,042 accrued payments) reported for that part of the National Grasslands under control of Bureau of Land Management.
c/ Includes $138,515 used for range improvement.

Sources: Compiled from special and publiched reports of agencies, including Public Land Statistics, 1966, Bureau of Land Management; Annual Report of the Treasury, 1966; Report of the Chief of the Forest Service, 1966.

Table A-6a Incidents of Trespass by Agency and Type of Trespass, 1960 - 1967

Agency	TYPE OF TRESPASS									
	Occupancy	Grazing	Timber	Mineral	Enclosure	Fire	Rights-of-Way	Vandalism	Other	Total
Bureau of Land Management	2,888 a/	4,027	2,271	423	49	200	388		608	10,854
Forest Service	6,355	4,998	1,329			18,174				30,855
National Park Service	12	3,690	5	102		4	144	2,176	1,283	7,416
Bureau of Sport Fisheries and Wildlife	268	237	5	19				277	8,454	9,260
Bureau of Reclamation	74 a/	7					11		8	100
Atomic Energy Commission		Periodic						1	8	9
Department of Defense									289 b/	289
TOTALS	9,597	12,959	3,610	544	49	18,378	543	2,454	10,650	58,813

a/ Includes "Agricultural" Trespass
b/ Includes all Trespass incidents, since almost all were characterized as "incidental."

Source: Provided to the PLLRC by the agencies concerned.

Table A-6b Applications Received Under the Mining Claims Occupancy Act and Disposition by State for 11 Western States and Alaska, 1962-67

	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N. M.	Ore.	Utah	Wash.	Wyo.	Alaska	Totals
No. of Applications	84	623	50	44	42	17	7	35	3	9	6		918
Applications Granted (Patent Issued)	4	58	5	2	1	1	0	4	0	1	0		76
Applications Qualifiedly Granted (Limited Tenure)	6	66	4	13	4	0	0	9	1	2	1		107
Applications Denied	24	129	30	9	11	1	0	11	2	7	1		225

Note: Of the 918 applications made, 408 were disposed of with remaining 510 either indisposed, withdrawn or pending.

Source: Provided to the PLLRC by the agencies concerned.

Table A-6c Method of Disposition of Trespass Cases by Agency, 1960 - 1967

Agency	Judicial Action	Administrative Action			
		Formal	Informal	Unspecified	Other [a]
Bureau of Land Management	41	-	-	4,416 [b]	2,109
Forest Service	12,530 [c]	-	-	-	-
National Park Service	1,102 [d]	143	745	-	-
Bureau of Sport Fisheries and Wildlife	1,155 [e]	-	-	1,716 [b]	-
Bureau of Reclamation	1	-	-	99 [f]	-
Atomic Energy Commission	-	-	-	-	-
Department of Defense	-	-	-	-	289 [g]
TOTALS	14,829	143	745	6,276	2,398

a/ Generally includes warnings, or incidents where trespasser could not be identified, or matter was uncollectible
b/ Data only described disposition as "administrative" and did not specify formal or informal
c/ All cases resolved through "court or compromise," combined
d/ Includes 846 cases referred to U. S. Commissioners
e/ Includes 102 cases referred to U. S. Commissioners
f/ Data did not specify how incidents were resolved
g/ Data suggested almost all cases resolved informally

Table A-7a. Withdrawn Public Domain Acreage, by Administering Agency, by State, as of June 30, 1967

Data Supplied by Agencies Shown and Summarized by PLLRC

State	Department of Agriculture			Department of the Interior							Department of Defense			Dept. of Trans.			
	Forest Service			Bureau of Land Management													
	Total Reserved	Withdrawn for specific Purpose a/	Agriculture Research Service	Public Land in & outside grazing districts b/	Withdrawn for specific Purposes a/	Bureau of Sports Fish & Wildlife	Nat'l. Park Service	Bureau of Reclamation	Bureau of Indian Affairs	Geological Survey c/	Military Functions	Civil Functions	Atomic Energy Commission	Federal Aviation Agency	Federal Power Commission d/	Other e/	
Alabama	24,798	24,921	-	1,158	-	-	-	-	-	-	1,160	112	-	-	924	148	
Alaska	20,735,026	445,193	-	-	58,895	18,687,111	7,440,090	-	2,524,199	9,360,179	2,466,239	52,580	-	33,515	238,937	86,821	
Arizona	11,434,790	1,700,443	-	12,385,967	377,065	1,563,345	1,549,236	1,745,806	-	895,710	3,451,791	17,402	-	2,286	80,199	647	
Arkansas	1,034,048	96,737	-	2,367	-	4,822	892	-	-	-	320	26,339	-	-	7,628	-	
California	19,667,637	2,567,740	-	14,205,465	2,590,702	143,415	3,872,105	2,039,685	9,471	757,213	2,511,711	14,677	-	865	744,185	1,252	
Colorado	13,724,516	1,020,105	-	8,208,788	1,178,053	4,936	541,672	509,711	-	468,945	62,381	432	26,935	490	52,195	618	
Florida	162,199	69,561	-	1,806	143	4,876	89	-	-	-	152,523	137	-	-	[illegible]	1,123	
Georgia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
Idaho	19,924,806	2,400,155	28,643	11,698,804	239,877	41,197	78,444	549,232	-	546,726	39,502	8,578	540,031	214	26,174	76	
Illinois	383	-	-	-	-	70	-	-	-	-	-	-	-	-	-	-	
Indiana	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Iowa	-	-	-	-	-	334	-	-	-	-	-	-	-	-	-	-	
Kansas	360	360	-	1,515	-	-	-	37	-	-	24,917	7	-	-	-	469	
Louisiana	238	-	-	3,900	-	9,392	-	-	-	-	-	6,646	-	-	-	227	
Michigan	279,057	108,595	-	4,133	13	2,926	10,437	-	-	-	160	48	-	-	16	721	
Minnesota	1,118,502	1,476,245	-	21,375	20,241	289	276	-	-	-	-	43,708	-	-	6,262	10	
Mississippi	1,740	40	-	1,614	92	3,278	-	-	-	-	35	-	-	-	10	-	
Missouri	1,834	1,834	-	-	-	-	-	-	-	-	-	75	-	-	134	810	
Montana	16,656,503	2,000,470	72,194	6,173,028	68,818	806,451	1,160,694	216,353	-	213,699	212	421,416	-	200	38,979	1	
Nebraska	207,219	10,895	11,800	7,923	1,094	15,317	2,014	7,858	-	-	20	637	-	-	160	-	
Nevada	5,041,890	144,115	-	46,520,177	1,256,012	2,303,445	254,073	634,719	3,010	150,260	3,184,830	976	817,099	1,822	2,159	-	
New Mexico	8,637,534	1,091,992	200,252	12,818,808	384,234	68,631	217,547	89,356	247,874	175,995	2,560,647	6,019	6,607	316	1,729	2,475	
N. Dakota	103,530	-	-	75,788	-	6,603	10,359	917	-	-	-	10,291	-	-	-	-	
Ohio	-	-	-	-	-	82	-	-	-	-	-	-	-	-	-	3	
Oklahoma	836	836	6,694	6,821	-	77,806	-	509	540	-	51,279	1,473	-	-	62	3,695	
Oregon	14,673,996	2,327,503	14,594	13,328,090	137,923	260,052	158,303	203,558	-	627,890	45,965	30,610	-	1,884	77,899	178	
S. Dakota	1,205,006	62,856	360	277,904	-	1,168	78,282	19,268	-	-	1,202	9,381	-	-	415	526	
Utah	7,765,561	414,553	-	21,649,187	5,036,546	67,931	537,041	1,591,551	-	803,313	1,828,283	-	3,275	1,865	33,684	123	
Washington	9,434,830	1,707,213	160	273,647	2,000	39,903	1,082,733	128,652	-	370,297	28,679	8,418	69,709	-	84,625	1,127	
Wisconsin	8,033	5,248	-	-	136	427	-	-	-	-	553	-	-	-	1,754	469	
Wyoming	8,761,998	2,286,903	-	15,878,586	2,458,490	23,984	2,406,838	898,687	-	222,292	22,971	-	-	544	43,428	341	
TOTAL	160,607,310	19,964,513	334,697	163,546,851	13,810,334	24,137,791	19,401,125	8,635,899	2,785,094	14,592,519	16,435,380	659,962	1,463,656	44,001	1,442,489	101,870	

a/ Special purposes such as administrative sites and recreational areas, etc., which are withdrawals upon a withdrawal and generally prohibit the operation of the mining laws.

b/ The total acreage includes areas inside and outside grazing districts withdrawn pursuant to the Taylor Grazing Act, and E.O.s 6910, Nov. 26, 1934 & 6964, Feb. 5, 1935.

c/ Power site withdrawals, classifications and designations.

d/ Mixed acreage of acquired Federal lands and public domain land not otherwise withdrawn. Does not include acreage of land in FPC projects withdrawn, classified or designated for power site purposes by the Geological Survey and Secretary of Interior.

e/ Includes Dept. of Interior - Bonneville Power Admin., 50 acres; National Aeronautics Space Admin., 12,963 acres; Dept. of Justice - Bur. of Prisons, 5,241 acres; State Dept. - International Boundary & Water Commission, 2,479 acres; Veterans Admin., 2,071 Acres; Dept. of HEW, 686 acres; Dept. of Commerce - Coast and Geodetic Survey, 290 acres; Weather Bur., 11 acres; Fed. Communications Comm., 173 acres; GSA, 107 acres; U.S. Coast Guard, 41,551 acres; and Alaska Railroad, 36,248 acres.

Table A-7b. Withdrawn and Reserved Public Domain Acreage, by Purpose for Each State, as of June 30, 1967

Data Supplied by Agencies Shown on Table A-7a. and Summarized by PLLRC

State	Admin. Sites	National Forest Res.	Classification	Protective Withdrawals	Prohib of Min. Entry & Leasing	Grazing a/	Water & Power Projects	Other Water Use	Aid of Wildlife	Outdoor Recreation	Townsites & Other Spatial Use	State Selection	Nat'l. Parks & Monuments	Science Education, & Research	Military Purposes
Alabama	-	24,798	24,836	-	-	1,158	-	-	-	85	1,072	-	-	-	1,272
Alaska	8,374	20,735,026	1,284,155	11,185	-	-	9,360,179	11,122	19,940,357	399,616	338,667	-	7,440,090	34,716	2,565,290 b/
Arizona	14,936	11,434,790	212,480	154	5,451	12,528,662	2,641,516	25,173	2,317,511	1,930,128	88,112	-	455,777	80,373	3,469,625
Arkansas	1,210	1,034,048	-	-	-	2,367	-	-	76,892	6,390	7,628	-	892	17,067	26,659
California	27,505	19,667,637	520,674	7,127	-	14,332,192	2,796,898	1,389,860	1,048,166	2,123,043	747,165	-	3,859,168	79,825	2,526,861
Colorado	17,278	13,724,516	2,370	-	1,122,030	8,239,128	978,656	27,316	6,051	1,002,427	52,906	-	485,029	78,860	63,209
Florida	229	162,199	-	-	-	1,806	-	-	64,708	8,023	2,054	-	89	1,477	152,803
Georgia	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
Idaho	33,733	19,924,806	-	-	-	11,925,476	1,095,958	54,128	41,197	2,304,765	26,474	-	78,444	589,309	48,170
Illinois	-	383	-	-	-	-	-	-	70	-	-	-	-	-	-
Indiana	-	440	-	-	-	-	-	-	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-	-	334	-	-	-	-	-	-
Kansas	469	360	360	-	-	1,515	37	-	-	-	-	-	-	-	24,924
Louisiana	-	238	-	-	-	3,900	-	-	9,392	-	227	-	-	-	6,646
Michigan	-	279,057	-	-	108,595	4,133	-	-	2,926	-	750	-	10,437	-	208
Minnesota	-	1,118,502	-	-	1,038,319	21,375	-	-	289	428,603	26,513	-	276	9,323	43,708
Mississippi	-	1,740	-	-	-	1,614	-	-	3,278	-	102	-	-	40	35
Missouri	810	1,834	-	-	1,834	-	-	-	-	-	134	-	-	-	75
Montana	28,018	16,656,503	-	-	-	6,220,423	436,532	11,990	806,451	1,970,189	39,019	-	1,132,189	101,066	426,638
Nebraska	-	207,219	-	-	-	7,923	7,858	-	15,317	320	160	-	2,014	23,469	657
Nevada	5,428	5,041,890	143,244	1,450	-	47,619,614	784,979	14,711	2,303,445	274,692	2,997	-	115,833	819,374	3,186,930
N. Mexico	11,469	8,637,534	70,311	222,988	-	12,843,659	265,351	63,401	72,167	999,709	4,520	324,800	217,546	209,902	2,566,666
N. Dakota	-	103,530	-	-	-	75,788	917	-	6,603	-	-	-	10,359	-	10,291
Ohio	-	-	-	-	-	-	-	-	82	-	3	-	-	-	-
Oklahoma	3,695	836	836	-	-	6,821	509	-	77,806	-	62	-	-	7,234	52,752
Oregon	25,860	14,673,996	6,151	3,190	-	13,392,576	831,448	204,611	260,482	1,023,596	1,126,257	-	158,303	104,732	77,243
S. Dakota	3,373	1,205,006	-	-	-	277,904	19,268	34,381	1,168	20,124	941	-	78,282	5,338	10,583
Utah	11,309	7,765,561	-	2,560	4,971,798	21,656,503	2,394,864	142,538	67,931	272,865	34,873	-	524,041	58,989	1,829,081
Washington	11,305	9,434,830	-	-	-	274,767	498,949	140,320	39,903	1,540,935	85,740	-	1,082,402	85,745	37,097
Wisconsin	-	8,033	-	-	5,248	-	-	-	427	-	2,223	-	-	-	689
Wyoming	11,119	8,761,998	-	-	1,509,101	16,721,073	1,120,979	107,131	45,942	2,350,682	43,872	-	2,306,121	3,471	23,572
TOTAL	216,120	160,607,310	2,265,417	248,[illegible]	8,762,376	166,160,377	23,234,898	2,226,682	27,208,895	16,656,202	2,632,471	324,800	17,957,292	2,310,310	17,151,684

a/ Includes acres inside and outside grazing districts, stock driveways, etc.

b/ Does not include 28,233,170 acres in Naval Petroleum Reserve, No. 4, Point Barrow, Alaska

Table A-7c Restrictions on Withdrawn Public Domain Acreage By State as of June 30, 1967

(1000 Acres)

State	Restrictions on all Forms of Appropriations		Type of Restriction (Total Area Affected) a/										Public Domain	
			Mining		Mineral Leasing		Entry Under Agric. Land Law b/ c/		Nonmineral Title Transfer c/		Surface Resource Use			
	Acres	Percent d/	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Alabama	2		27		2		4		2		2		28	
Alaska*	38,915	10.9	40,947	11.4	38,963	10.9	38,970	10.9	38,946	10.9	39,320	11.0	358,033	100.0
Arizona*	9,310	29.0	10,970	34.1	9,711	30.2	22,064	68.6	9,672	30.1	10,971	34.1	32,151	100.0
Arkansas	40		137		43		42		40		40		1,074	
California*	10,033	23.8	13,063	31.0	11,377	27.0	26,033	61.8	11,800	28.0	12,011	28.5	42,120	100.0
Colorado*	1,665	7.2	3,273	14.2	3,069	13.3	11,055	48.0	2,846	12.3	2,505	10.9	23,054	100.0
Florida	160		229		160		162		160		160		323	
Georgia	e/		e/		e/		e/		e/		e/		e/	
Idaho*	1,859	5.6	2,592	7.8	2,379	7.2	13,797	41.5	2,099	6.3	4,094	12.3	33,246	100.0
Illinois	e/		e/		e/		e/		e/		e/		e/	
Iowa	e/		e/		e/		e/		e/		e/		e/	
Kansas	25		26		25		25		25		25		27	
Louisiana	16		16		16		20		16		16		21	
Michigan	14		123		14		18		14		452		299	
Minnesota	71		1,109		71		92		71		71		1,395	
Mississippi	3		3		3		5		3		3		6	
Missouri	1		3		1		1		1		1		2	
Montana*	2,952	11.7	4,476	17.8	4,420	17.5	9,125	36.2	2,999	11.9	4,875	19.4	25,194	100.0
Nebraska	38		49		38		47		39		40		252	
Nevada*	7,489	12.3	7,579	12.5	7,554	12.4	55,129	90.7	8,608	14.2	7,595	12.5	60,812	100.0
New Mexico*	3,579	14.3	4,665	18.6	4,578	18.3	16,782	67.1	3,939	15.7	4,569	18.3	25,027	100.0
No. Dakota*	28	13.5	28	13.5	28	13.5	104	49.8	28	13.5	28	13.5	209	100.0
Ohio	e/		e/		e/		e/		e/		e/		e/	
Oklahoma	142		143		142		149		142		142		160	
Oregon*	1,494	5.2	3,456	12.1	2,107	7.4	14,887	52.1	1,559	5.5	2,485	8.7	28,588	100.0
So. Dakota*	111	7.0	173	10.9	111	7.0	389	24.4	111	7.0	144	9.0	1,590	100.0
Utah*	4,864	14.0	10,030	28.9	9,836	28.4	31,498	90.8	9,849	28.4	5,175	14.9	34,674	100.0
Washington*	779	7.0	1,627	14.7	2,393	21.6	1,054	9.5	780	7.0	2,319	20.9	11,089	100.0
Wisconsin	3		9		3		3		3		3		10	
Wyoming*	3,619	12.4	6,872	23.5	6,749	23.1	21,956	75.0	6,078	20.8	5,827	19.9	29,266	100.0
Total	87,214	12.3	111,627	15.8	103,795	14.6	263,413	37.2	99,832	14.1	102,875	14.5	708,649	100.0

* Percentages shown only on the 11 western states, South Dakota, North Dakota and Alaska.
Note: Alaska Railroad not shown on restriction tables. Columns may not total due to rounding.

a/ Acreage in these columns include acreage given in first column. There is also some overlap of acres in these columns.

b/ Includes areas withdrawn pursuant to Taylor Grazing Act.

c/ Does not include National Forest. All National Forest Reserves are restricted from entry under Agriculture Land Law and Nonmineral Title Transfer.

d/ Percent of public domain in State except in total where related to public domain in United States.

e/ Less than 500 acres.

Table A-7d. Restrictions on Withdrawn Public Domain Acreage by Purpose of Withdrawals, as of June 30, 1967 1/

Restrictions	Admin. Sites		Classification		Protective Withdrawals		Prohibition of Mineral Entry & Leasing		Water Power Projects		Other Water Use		Aid of Wildlife		Outdoor Recreation		Townsites & Other Spatial Use		State Selection		Science, Education & Research		Military Purpose	
	1,000 Acres	% of P.D. 2/	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.	1,000 Acres	% of P.D.
1. All Forms of Appropriation	11	-	1,452	.21	228	.03	-	-	23,159	3.27	54	.01	25,391	3.58	1,474	.21	1,496	.21	-	-	1,802	.25	17,167	2.42
2. Mining	215	.03	2,185	.31	249	.04	8,708	1.23	23,159	3.27	1,556	.22	26,319	3.71	10,137	1.43	2,565	.36	325	.05	2,109	.30	17,172	2.42
3. Mineral Leasing	48	.01	1,461	.21	231	.03	7,607	1.07	23,159	3.27	67	.01	25,391	3.58	8,974	1.27	1,519	.21	325	.05	1,829	.26	17,167	2.42
4. Entry Under Agric. Land Laws	16	-	2,194	.31	249	.04	7,548	1.07	23,235	3.28	1,303	.18	25,396	3.58	1,543	.22	1,525	.22	325	.05	1,818	.26	17,167	2.42
5. Non-Mineral Title Transfers	16	-	2,162	.31	249	.04	7,540	1.07	23,235	3.28	1,280	.18	25,396	3.58	1,538	.22	1,504	.21	325	.05	1,818	.26	17,167	2.42
6. Surface Resource Use	14	-	1,452	.21	228	.03	-	-	23,159	3.27	559	.08	26,216	3.70	15,373	2.17	1,496	.21	-	-	2,029	.29	17,167	2.42
7. All Other (purposes)	14	-	1,452	.21	228	.03	-	-	23,159	3.27	54	.01	26,226	3.70	1,474	.21	1,532	.22	325	.05	1,802	.25	17,167	2.42

1/ In this table the acres shown for Restrictions 2-7 are total affected rather than being restrictions on additional acres over those shown in Restriction 1.

2/ All percentages are percentage of all public domain lands - 708,649,456 acres.

Table A-7e - Mineral Land Withdrawals, U.S. Geological Survey as of June 30, 1967 a/

(Acres)

State	Potash	Phosphate	Petroleum	Coal	Total
Arizona	-	-	-	124,089	124,089
California	90,484	-	920,652	17,603	1,028,739
Colorado	-	-	215,370	3,990,692	4,206,062
Florida	-	67,000	-	-	67,000
Idaho	-	282,670	-	11,520	294,190
Montana	-	319,284	1,336,697	4,376,680	6,032,661
Nevada	39,422	-	-	83,673	123,095
N. Mexico	9,282,160	-	-	503,447	9,785,607
N. Dakota	-	-	84,894	5,954,364	6,039,258
Oregon	-	-	-	4,391	4,391
Utah	-	260,627	-	3,051,314	3,311,941
Washington	-	-	-	688,920	688,920
Wyoming	-	987,087	612,781	4,852,930	6,452,798
TOTAL	9,412,066	1,916,668	3,170,394	23,659,623	38,158,751

a/ Type of Order: Executive Orders. In many instances Executive Orders that were issued in July 1910, confirmed prior Departmental Orders. Acreage: List gross figures only, including Public Domain and Mineral reservations on patented or conveyed lands, as surface title status constantly changes. Purpose: Retention of specific mineral rights in the U.S. pending examination and classification of the lands with respect to the minerals named limited to coal, oil and gas, phosphate and potassium (potash). Authority: Pursuant to the Act of June 25, 1910 (36 Stat. 847), as amended, and the Acts of March 3, 1909 (35 Stat. 644); June 22, 1910 (36 Stat. 583); April 30, 1912 (37 Stat. 105); August 24, 1912 (37 Stat. 497); and July 17, 1914 (38 Stat. 509).

This table does not include oil shale withdrawal of 1,420,000 acres in Colorado, 3,780,000 acres in Utah and 2,670,000 acres in Wyoming. Source: Department of Interior report Prospects for Oil Shale Development, May 1, 1968. These data not included in other withdrawal summary tables.

Table A-7f. SUMMARY WITHDRAWAL ORDERS IN EXCESS OF 5,000 ACRES JUNE 30, 1938 - JUNE 30, 1967

Year	Total		Department of Agriculture Forest Service		Department of Interior												Department of Defense								Atomic Energy Commission		Department of Transportation Bur. Public Roads			
					Bureau of Land Management		Bur. of Sports Fish & Wildlife		National Park Service		Bureau of Reclamation		Not Identified		Total		Army (War)		Air Force		Navy		Total							
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres		
1938	6	737,231	2	489,813	--	--	2	14,373	2	233,045	--	--	--	--	4	247,418	--	--	--	--	--	--	--	--	--	--	--	--		
1939	8	2,564,488	1	43,332	--	--	1	9,208	3	953,948	--	--	2	1,520,000a/	6	2,483,156	1	38,000	--	--	--	--	1	38,000	--	--	--	--		
1940	6	6,112,931	--	--	--	--	--	--	2	197,411	--	--	--	--	2	197,411	4	5,915,520	--	--	--	--	4	5,915,520	--	--	--	--		
1941	21	7,472,210	--	--	1	16,000	5	3,966,444	--	--	--	--	1	5,000	8	3,987,444	13	3,484,766	--	--	--	--	13	3,484,766	--	--	--	--		
1942	28	14,847,046	--	--	1	6,720	--	--	1	6,000	--	--	8	9,865,391	10	9,878,111	18	4,968,935	--	--	--	--	18	4,968,935	--	--	--	--		
1943	36	74,425,678	--	--	1	2,977,700	--	--	--	--	--	--	3	67,535,520	4	70,513,220	32	3,912,458b/	--	--	--	--	32	3,912,458	--	--	--	--		
1944	11	489,132	--	--	2	42,688	--	--	1	7,425	--	--	1	10,451	4	60,564	5	142,259	--	--	2	286,309	7	428,568	--	--	--	--		
1945	6	476,775	--	--	--	--	--	--	1	7,128	--	--	2	214,567	3	221,695	1	30,336	--	--	2	224,744	3	255,080	--	--	--	--		
1946	3	177,880	--	--	1	12,800	--	--	--	--	--	--	1	8,248	2	21,048	--	--	--	--	1	156,832	1	156,832	--	--	--	--		
1947	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
1948	5	300,525	--	--	1	160,974	--	--	--	--	--	--	1	6,200	2	167,174	1	19,403	--	--	--	--	1	19,403	2	113,948	--	--		
1949	9	270,518	1	23,238	1	117,000	--	--	--	--	--	--	1	10,240	2	127,240	3	70,035	1	8,320	1	13,948	5	92,303	1	27,737	--	--		
1950	14	1,371,955	1	9,297	--	--	--	--	--	--	--	--	--	--	--	--	3	322,404	7	553,715	1	174,000	11	1,050,119	2	312,539	--	--		
1951	13	938,102	3	52,140	--	--	--	--	--	--	--	--	1	119,000	1	119,000	2	10,860	3	591,179	--	--	5	602,039	4	164,923	--	--		
1952	10	4,029,312	--	--	--	--	--	--	--	--	--	--	2	119,400	2	119,400	4	3,379,836	2	27,733	--	--	6	3,407,569	2	502,343	--	--		
1953	2	106,085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	20,000	1	86,085	--	--	2	106,085	--	--	--	--		
1954	13	1,050,229	2	17,851	2	38,072	1	6,896	--	--	--	--	--	--	3	44,968	2	868,191	2	34,461	--	--	4	902,652	5	84,758	--	--		
1955	10	205,994	4	48,630	--	--	1	6,200	--	--	--	--	1	5,779	2	11,979	3	140,102	1	5,283	--	--	4	145,385	--	--	--	--		
1956	4	53,090	1	11,287	--	--	--	--	1	8,600	--	--	--	--	1	8,600	1	9,193	--	--	--	--	1	9,193	1	24,010	--	--		
1957	7	108,025	4	42,868	--	--	1	18,017	--	--	--	--	--	--	1	18,017	2	47,140	--	--	--	--	2	47,140	--	--	--	--		
1958	13	2,966,003	4	47,663	--	--	2	1,830,442	1	81,050	1	27,781	1	20,773a/	5	1,960,046	1	5,140	--	--	1	791,106	2	796,246	2	162,048	--	--		
1959	14	1,096,308	6	119,170	1	5,909	1	14,097	--	--	2	18,428	--	--	4	38,434	1	407,720	--	--	2	521,989	3	929,709	--	--	1	8,995		
1960	7	11,739,953	2	320,800	--	--	3	11,186,720	--	--	--	--	2	232,433c/	5	11,419,153	--	--	--	--	--	--	--	--	--	--	--	--		
1961	18	2,063,477	4	39,535	6	347,259	--	--	1	14,720	--	--	--	--	7	361,979	4	1,480,942	--	--	3	181,021	7	1,661,963	--	--	--	--		
1962	19	740,787	5	139,147	9	503,737	1	44,685	1	5,361	3	47,857	--	--	14	601,640	--	--	--	--	--	--	--	--	--	--	--	--		
1963	10	715,846	3	35,058	2	55,108	--	--	1	84,412	2	102,440	--	--	5	241,960	--	--	--	--	2	438,828	2	438,828	--	--	--	--		
1964	11	2,362,228	3	21,474	1	9,722	1	1,730,000	4	573,114	2	27,918	--	--	8	2,340,754	--	--	--	--	--	--	--	--	--	--	--	--		
1965	12	365,907	5	239,784	1	23,900	--	--	3	59,578	3	42,645	--	--	7	126,123	--	--	--	--	--	--	--	--	--	--	--	--		
1966	4	1,668,930	--	--	--	--	1	1,588,055	--	--	1	28,787	--	--	2	1,616,842	2	52,088d/	--	--	--	--	2	52,088d/	--	--	--	--		
1967	1	8,983	1	8,983	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Total	321	139,465,628	52	1,710,070	31	4,317,589	20	20,415,137	22	2,231,792	14	295,856	27	79,673,002	113	106,933,376	104	25,325,328	17	1,306,776	15	2,788,777	136	29,420,881	19	1,392,306	1	8,995		

a/ Interior and Agriculture - Wildlife game range.
b/ Includes 18,864 acres for War Revocation Authority.
c/ Includes 222,988 acres for Bureau of Indian Affairs.
d/ Civil Functions.

Sources: 1938-1960 statistics based on data presented to the House Interior Committee on June 6, 1961, by Karl S. Landstrom, Bureau of Land Management, Department of the Interior, in connection with hearings on bills relating to the withdrawal, reservation, and restriction of Public Lands - 87 Congress, 1st Session / H.R. 1785, 3342, 5252, 6377, 4060, and 8783 (Serial No. 25) /
1960-1967 based on data prepared by agencies for Public Land Law Review Commission withdrawal study.

Estimates were obtained from Governor's Representatives to the Public Land Law Review Commission. In some states, data were not available for county, municipal and/or other local governments.

Table A-8a Land Owned by State, County, and Local Governments, 1968

State	State Governments											County & Local Governments			
	Designated Special Purpose Use Areas						Without Use Designation				Total State-Owned Land	County	Municipal	Other Incl. Special Districts	Total Only
	Park and Recreation	Forests	Wildlife	Institutional Sites	Other Areas a/	Sub-Total	Farming	Grazing	All Other b/	Sub-Total					
Alabama	43,672	17,691	29,674	86,563	200	177,800	-	-	77,742	77,742	255,542	-	-	-	
Alaska	251,653	868,441	82,147	15,049	-	1,217,290	71,690	64,307	12,152,870	12,288,867	13,506,157	228,107	9,500	-	
Arizona	15,548	35,000	19,661	11,189	-	81,398	312,293	8,828,365	-	9,140,658	c/ 9,222,056	11,920	11,180	-	
Arkansas	17,790	-	216,575	21,477	614	256,456	-	-	-	-	256,456	15,975	26,925	18,075	
California	810,720	74,961	117,417	85,898	339,993	1,428,989	-	d/ 68,827	612,579	681,406	2,110,395	439,275	563,985	449,893	
Colorado	19,671	71,000	154,235	34,269	-	279,175	169,145	2,702,364	82,000	2,953,509	3,232,684	-	-	-	
Connecticut	24,074	128,651	13,269	11,275	13,000	190,269	-	-	-	-	190,269	-	60,000	-	
Delaware	6,055	6,140	17,202	9,978	-	39,375	-	-	-	-	39,375	3,200	1,300	-	
Dist. of Col.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Florida	132,237	307,409	115,000	363,621	459,879	1,378,146	17,829	7,592	-	25,421	1,403,567	175,000	80,000	121,154	
Georgia	38,417	35,879	38,649	50,888e/	-	163,833	-	-	-	-	163,833	-	-	-	
Hawaii	7,451	835,580	159,003	11,000	18,250	1,031,284	53,776	323,042	88,095	464,913	1,496,197	-	-	-	
Idaho	16,605	888,719	62,725	17,592	-	985,641	56,456	1,712,582	-	1,769,038	2,754,679	7,640	22,570	28,359	
Illinois	58,099	11,429	49,157	28,000	600	147,285	-	-	-	-	147,285	10,000	25,000	80,000	
Indiana	51,430	138,935	65,667	8,155	1,278	265,465	-	-	-	-	265,465	-	-	-	
Iowa	32,677	20,068	97,060	18,770	22,930	191,505	-	-	-	-	191,505	-	-	-	f/ 37,667
Kansas	33,537	4,323	47,400	33,741	-	119,001	-	-	-	-	119,001	1,940	28,015	5,680	
Kentucky	31,928	33,212	35,021	33,891	-	134,052	-	-	-	-	134,052	-	-	-	
Louisiana	13,451	8,000	141,851	20,272	-	183,574	-	-	17,735	17,735	201,309	11,725	19,918	-	
Maine	248,000	40,000	23,276	8,473	-	319,749	-	-	2,000	2,000	321,749	-	-	-	
Maryland	46,710	119,036	59,291	16,034	-	241,071	-	-	-	-	241,071	g/ 31,000	g/ 8,000	-	
Massachusetts	50,178	188,738	15,495	79,411	75,446	409,268	-	-	-	-	409,268	-	-	-	
Michigan	202,342	3,752,081	282,706	41,000	6,667	4,284,796	-	-	65,167	65,167	4,349,963	h/ 24,219	h/ 29,853	-	
Minnesota	149,300	2,984,500	386,900	9,628	-	3,530,328	25,000	-	1,650,900	1,675,900	5,206,228	3,824,448	54,783	-	
Mississippi	13,664	1,700	16,716	74,987	-	107,067	160,000	80,000	i/ 390,374	i/ 630,374	737,441	-	-	-	
Missouri	76,431	162,278	101,530	e/ 31,213	e/ 10,181	381,633	-	-	e/ 9,459	9,459	391,092	g/ 51,715	g/ 44,314	-	
Montana	13,048	491,446	73,941	39,742	-	618,177	490,568	4,158,381	7,593	4,656,542	5,274,719	j/ 69,476	-	-	
Nebraska	23,139	-	27,509	21,717	18,283	90,648	321,200	1,285,011	-	1,606,211	1,696,859	10,000	140,000	297,000	
Nevada	35,755	-	35,513	6,453	5,753	83,474	-	-	2,346	2,346	85,820	-	-	-	34,000
New Hampshire	9,625	65,801	4,634	7,825	6,631	94,516	-	-	-	-	94,516	-	k/ 51,696	-	
New Jersey	45,990	173,561	126,823	18,005	1,311	365,690	-	-	-	-	365,690	31,607	j/ 62,302	-	
New Mexico	7,558	m/	133,132	32,971	11,419	185,080	116,020	10,731,195	-	10,847,215	11,032,295	2,100	-	-	
New York	265,317	677,575	141,479	47,585	n/ 2,704,466	3,836,422	-	-	-	-	3,836,422	-	-	-	
North Carolina	41,606	36,510	177,473	26,098	-	281,687	-	-	-	-	281,687	-	-	-	
North Dakota	5,100	3,810	38,361	18,439	35	65,745	21,970	801,415	-	823,385	889,130	-	-	-	
Ohio	96,379	167,541	72,328	31,388	18,212	385,848	-	-	-	-	385,848	-	-	-	
Oklahoma	27,364	-	142,400	59,904	155,700	385,368	304,000	456,000	10,000	770,000	1,155,368	45,000	350,000	-	
Oregon	74,500	786,707	61,500	26,756	6,875	956,338	-	645,208	50,000	695,208	1,651,546	330,000	52,000	13,504	
Pennsylvania	287,272	1,910,599	1,060,000	50,551	-	3,308,422	-	-	-	-	3,308,422	-	-	-	
Rhode Island	11,316	o/ 20,769	o/	8,586	8,845	49,516	-	-	-	-	49,516	-	5,969	-	
South Carolina	60,000	135,000	25,000	50,000	-	270,000	-	-	-	-	270,000	2,300	1,500	1,500	
South Dakota	77,718	1,466	162,978	9,800	-	251,962	226	1,239,553	-	1,239,779	1,491,741	-	-	-	
Tennessee	81,297	153,320	143,685	38,726	-	417,028	-	-	-	-	417,028	17,644	22,619	19,075	
Texas	67,100	6,850	146,469	224,359	325,000	769,778	31,068	2,646,926	-	2,677,994	3,447,772	-	-	-	
Utah	64,120	240,000	189,068	14,900	-	508,088	-	3,586,625	828,391	4,415,016	4,923,104	76,600	207,480	10,000	
Vermont	12,744	100,480	63,500	5,602	226	182,552	-	-	-	-	182,552	-	42,564	-	
Virginia	36,741	50,715	132,724	33,011	-	253,191	-	-	-	-	253,191	-	-	-	1,646
Washington	75,521	1,629,134	220,981	21,771	723	1,948,130	137,601	1,116,890	34,167	1,288,658	3,236,788	-	-	-	400,000
West Virginia	62,463	77,338	69,573	24,508	-	233,882	-	-	-	-	233,882	-	-	-	
Wisconsin	39,400	417,002	304,526	17,392	35,457	813,777	-	-	120,203	120,203	933,980	2,286,470	23,000	244,708	
Wyoming	43,456	148,375	49,159	8,211	-	249,201	p/	p/ 3,648,314	4,414	3,652,728	3,901,929	-	-	-	
Total	3,956,169	18,027,770	5,950,383	1,966,674	4,247,974	34,148,970	2,288,842	44,102,597	16,206,035	62,597,474	96,746,444				

a/ Includes National Guard camps and rifle ranges, radio stations, airports, gravel pits, waste storage areas, water transportation areas, etc.

b/ Forested, idle land, waste land, and land on which no use was reported.

c/ Includes grant lands only. Other state-owned lands informally reported to be less than 100,000 acres for which data are not available.

d/ Total (681,405 acres) distributed between farming and grazing in the same proportion as 1962 estimates.

e/ Estimates for 1962 from USDA - ERS Stat. Bul. #360 State-Owned Rural Lands.

f/ Only lands owned by counties and managed by County Conservation Board for hunting, fishing, and recreation use are listed.

g/ Recreation and park data only.

h/ Recreation lands only.

i/ State-owned. Administered by counties (Mississippi).

j/ Forty-seven or fifty-six counties.

k/ Reported by state as county and municipal.

l/ Includes only municipal watershed areas.

m/ No state forests; forest lands are administered by Department of Game and Fish and by State Land Office.

n/ Includes acres in (1) Hudson River-Black River Regulatory District, 32,016, (2) Canal Lands, 17,000 and (3) Forest Reserve, 2,652,395.

o/ Reported by state as forest and wildlife areas.

p/ Reported by state as farming and grazing.

Section B - Forage

This section summarizes the acreage and shows the distribution of land administered for grazing in 1966 by State and agency.

Not all public land is suitable or available for grazing, so the acreage grazed, as opposed to the area administered is presented for the Forest Service and the Bureau of Land Management for each of the 11 Western States and other States collectively.

The number of permitted Animal Unit Months (AUM) of grazing, by agency, during the two years of 1947 and 1966 are shown for all Federal lands in the 11 Western States collectively and the United States along with AUM's permitted on Section 10 lands for one year, 1966, for each State, by agency.

The number of grazing permits issued by each agency, for a representative year in the 11 Western States collectively, and fees collected, both total and average, are shown for Bureau of Land Management lands and National Forests.

Receipts from grazing on Federal lands are shown by agency and year for the 1947-68 period.

B - Forage

Table

B-1 Area of Public Land Administered for Grazing by State and by Agency - 1966

B-2 Number of Animal Unit Months (AUMs) of Permitted Livestock Use on the Public Lands by Agency, 1947 and 1966

B-3 Animal Unit Months of Grazing Permitted on the Public Lands by Agency and by State, 1966

B-4 Number of Permits Issued for the Grazing of Domestic Livestock on Public Lands by Agency and the Number of Ranches in the Eleven Western States

B-5 Federal Land Administered for Grazing by the Forest Service and by the Bureau of Land Management in States Other than Alaska, 1966

B-6 Grazing Fees for National Forests and for Bureau of Land Management, Grazing Districts

B-7 Average Charge per AUM of Grazing by Agency and Class of Land, 1964

B-8 Receipts from Grazing of Federal Lands by Agency, 1947-68

B-9 Number of Different Base Fee Rates, and the Average Number and Range of Such Rates for Grazing on National Forests by Regions, 1960

Table B-1 Area of Public Land Administered for Grazing by State and By Agency, 1966

(1,000 acres)

State	F. S.	BLM	BSFW	NPS	BIA	BOR	DOD	Total
Arizona	11,409.3	12,465.0	406.0	817.4	-	334.5	10.0	25,442.2
California	11,966.2	8,412.0	42.0	19.1	6.0	34.6	688.7	21,168.6
Colorado	12,400.9	7,758.0	21.0	107.8	-	126.6	78.0	20,492.3
Idaho	11,822.6	11,590.0 a/	24.0	-	7.0	380.2	110.0	23,933.8
Montana	7,677.2	7,784.0	792.0	-	85.0	167.3	40.7	16,546.2
Nevada	4,863.5	43,201.0	339.0	-	-	295.4	18.8	48,717.7
New Mexico	8,351.6	13,522.0	55.0	0.4	283.0	108.5	5.0	22,325.5
Oregon	9,858.4	13,857.0	312.0	-	-	57.0	26.4	24,110.8
Utah	7,122.7	21,106.0	4.0	194.0	-	1,084.2	89.3	29,600.2
Washington	4,434.8	223.0	28.0	-	-	208.3	204.6	5,098.7
Wyoming	6,829.8	17,286.0	2.0	30.1	-	839.0	24.3	25,011.2
Total-11 W. States	96,737.0	157,204.0	2,025.0	1,168.8	381.0	3,635.6	1,295.8	262,447.2
Alabama	71.9	-	-	-	-	-	29.2	101.1
Arkansas	2,019.7	-	-	-	-	-	109.3	2,129.0
Connecticut	-	-	-	-	-	-	1.0	1.0
Florida	1,068.9	-	2.0	-	-	-	94.9	1,165.8
Georgia	2.7	-	1.0	-	-	-	4.5	8.2
Illinois	0.2	-	3.0	-	-	-	21.0	24.2
Indiana	3.5	-	-	-	-	-	19.1	22.6
Iowa	0.3	-	1.0	-	-	-	22.4	23.7
Kansas	106.7	-	6.0	-	-	-	85.3	198.0
Kentucky	-	-	-	-	-	-	18.1	18.1
Louisiana	528.8	-	15.0	-	-	-	7.5	551.3
Maryland	-	-	-	-	-	-	0.1	0.1
Michigan	1.9	-	-	-	-	-	-	1.9
Minnesota	0.3	-	19.0	-	-	-	0.9	20.2
Mississippi	437.3	-	-	-	-	-	23.7	461.0
Missouri	83.4	-	2.0	-	-	-	77.7	163.1
Nebraska	330.4	-	102.0	-	-	0.7	39.2	472.3
New Hampshire	-	-	-	-	-	-	2.0	2.0
New Jersey	-	-	-	-	-	-	1.0	1.0
New York	5.7	-	1.0	-	-	-	-	6.7
North Carolina	93.0	-	-	-	-	-	1.5	94.5
North Dakota	1,104.3	54.0	89.0	0.5	36.0	7.7	23.2	1,314.7
Ohio	1.5	-	-	-	-	-	11.7	13.2
Oklahoma	245.7	10.0	7.0	-	-	-	228.3	491.0
Pennsylvania	-	-	1.0	-	-	-	2.0	3.0
South Dakota	1,942.7	28.0	12.0	-	343.0	12.0	84.0	2,421.7
South Carolina	1.4	-	-	-	-	-	0.3	1.7
Tennessee	22.6	-	-	-	-	-	26.7	49.3
Texas	705.1	-	105.0	116.3	-	-	432.7	1,359.1
Virginia	2.5	-	2.0	-	-	-	4.6	9.1
West Virginia	3.0	-	-	-	-	-	-	3.0
Wisconsin	-	-	14.0	-	-	-	4.2	18.2
Tot. Otr. States	8,783.5	92.0	382.0	116.8	379.0	20.4	1,376.1	11,149.8
Tot. All States	105,520.5	157,296.0	2,407.0	1,285.6	760.0	3,656.0	2,671.9	273,597.0

a/ 217,000 acres managed by BLM for Atomic Energy Commission

Source: Data supplied by Agencies to PLLRC.

Table B-2 Number of Animal Unit Months (AUM's) of Permitted Livestock Use on the Public Land by Agency, 1947 and 1966 a/

(1,000 AUM's)

Agency	Number of Permitted AUM's					
	1947			1966		
	Cattle & Horses	Sheep & Goats	Total	Cattle & Horses	Sheep & Goats	Total
Forest Service	7,917	2,467	10,384	7,203	1,278	8,481
Bur. Land Mgmt.	8,620	5,800	14,420	11,036	3,349	14,385
Bur. Sport Fish. & Wildlife	311	15	326	576	13	589
National Park Service	63	17	80	82	16	98
Bur. Indian Affairs	101	2	103	188	28	216
Bureau of Reclamation	321	205	526	284	176	460
Dept. of Defense	40	28	68	1,000	48	1,048
Total United States	17,373	8,534	25,907	20,369	4,908	25,277
11 Western States	16,342	8,494	24,836	17,823	4,857	22,680

a/ AUM numbers include use and non-use. Data may not add exactly due to rounding.

Source: Data supplied by agencies to PLLRC.

Table B-3 Animal Unit Months of Grazing Permitted on the Public Lands by Agency and by State - 1966

(1,000 AUM's)

State	F. S.[a]	BLM	BSFW	NPS	BIA	BOR	DOD	Total
Arizona	1,358	1,040	24	48	6	-	-	2,476
California	422	700	21	3	23	1	17	1,187
Colorado	768	728	16	4	9	-	10	1,535
Idaho	655	1,223 [b]	8	-	36	-	10	1,932
Montana	520	1,070	95	-	34	-	4	1,723
Nevada	275	2,090	47	-	33	-	5	2,450
New Mexico	770	1,551	6	-	6	-	2	2,335
Oregon	525	1,069	149	-	5	-	2	1,750
Utah	558	1,418	1	2	31	-	5	2,015
Washington	91	32	23	-	11	-	[c]	157
Wyoming	510	1,775		10	197	-	5	2,497
Total-11 W. States	6,452	12,696	390	67	391	1	60	20,057
Alabama	5	-	-	-	-	-	-	5
Arkansas	33	-	-	-	-	-	-	33
Florida	13	-	1	-	-	-	-	14
Georgia	7	-	2	-	-	-	-	9
Illinois	-	-	4	-	-	-	-	4
Iowa	-	-	1	-	-	-	-	1
Kansas	-	-	3	-	-	-	-	3
Louisiana	35	-	11	-	-	-	-	46
Minnesota	-	-	3	-	-	-	-	3
Mississippi	41	-	-	-	-	-	-	41
Missouri	6	-	1	-	-	-	-	7
Nebraska	78	-	72	-	[c]	-	34	184
New York	-	-	2	-	[c]	-	-	2
North Dakota	-	4	27	[c]	-	-	-	31
Oklahoma	16	12	7	-	-	-	4	39
Pennsylvania	-	-	1	-	-	-	-	1
South Carolina	4	-	-	-	1	-	-	5
South Dakota	102	56	7	-	-	-	-	165
Tennessee	[c]	-	-	-	-	-	-	[c]
Texas	37	-	52	-	-	-	-	89
Virginia	2	-	2	-	-	-	-	4
Wisconsin	-	-	1	-	-	-	-	1
Total Other States	379	72	197	-	1	-	38	687
Total - All States	6,832	12,768	587	67	392	1	98	20,744

[a] Excludes National Grasslands and Land Utilization Areas.
[b] Includes 24 thousand AUM's for Atomic Energy Commission managed by BLM.
[c] Less than 500 AUM's.

Source: Data supplied by Agencies to PLLRC.

Table B-4 Number of Permits Issued for the Grazing of Domestic Livestock on Public Lands by Agency and the Number of Ranches in the Eleven Western States

Agency	Year	Cattle and Horses	Sheep and Goats	Total
U.S. Forest Service a/	1965	14,853	1,608	16,461
Bureau of Land Management				
Grazing Districts b/	1966	13,053 c/	3,199 c/	16,252 c/
Leases d/	1966			8,104
Bureau of Sport Fisheries and Wildlife	1966	-	-	518 e/
Bureau of Indian Affairs	1964	-	-	3,645 f/
National Park Service	1964	-	-	139 f/
Bureau of Reclamation	1961	-	-	583 f/
Department of Defense	1964	-	-	3,180 g/
Sub-Total				51,101
Commercial livestock farm and ranch operators				62,006 h/
All livestock farm and ranch operators except the abnormal operators				100,076

a/ U.S. Department of Agriculture, USFS. Annual grazing statistical report, 1965. Values are for national forests in 11 Western States. In addition to permits on national forests, there were 677 cattle and horses, and 64 sheep permits on National Grasslands, and 54 cattle and horse permits on Land Utilization projects in 11 Western States.

b/ U.S. Department of the Interior, BLM, 1967. Public land statistics. Superintendent of Documents, Washington, D.C., (191 pages) p. 149.

c/ Does not include free use permits or exchanges of use permits.

d/ Ibid., p. 153.

e/ From data supplied by the BSFW, USDI.

f/ U.S. Department of Agriculture, U.S. Department of Defense, U.S. Department of the Interior. Grazing fee study, p.2.

g/ Ibid., p.2. These leases and permits extend beyond the 11 Western States.

h/ Census of Agriculture, 1964. Includes commercial livestock farms and livestock farms and livestock ranches.

Source: PLLRC Study, The Forage Resource, Table III A-26.

Table B-5 Federal Land Administered for Grazing by the Forest Service and by the Bureau of Land Management in States Other than Alaska, 1966

(1,000 acres)

State	Forest Service		Bureau of Land Management [a]	
	Area Administered	Area Grazed	Area Administered	Area Grazed
Arizona	11,500	11,400	12,800	12,500
California	20,000	12,000	9,000	8,400
Colorado	14,300	12,400	7,800	7,800
Idaho	20,300	11,800	12,200	11,600
Montana	16,200	7,700	8,000	7,800
Nevada	5,100	4,900	44,400	43,200
New Mexico	9,200	8,300	13,600	13,500
Oregon	15,500	9,900	15,800	13,800
Utah	8,000	7,100	21,800	21,100
Washington	9,700	4,400	300	200
Wyoming	9,200	6,800	17,400	17,300
11 Western States	139,000	96,700	163,100	157,200
Other States	22,500	8,800	400	100
Total U. S.	161,500	105,500	163,500	157,300

a/ Includes areas on which grazing is administered for other agencies.

Source: PLLRC, The Forage Resource, Table III A-5.

Table B-6 Grazing Fees - National Forests and Bureau of Land Management Grazing Districts, 1947-1968

(Cents per animal month)

Year	National Forests[a/]		Grazing Districts	
	Cattle	Sheep	Cattle	Sheep
1947	31.0	7.5	8.0	1.6
1948	40.0	10.0	8.0	1.6
1949	49.0	11.0	8.0	1.6
1950	42.0	10.75	8.0	1.6
1951	51.0	12.25	12.0	2.4
1952	64.0	15.25	12.0	2.4
1953	54.0	11.75	12.0	2.4
1954	35.0	9.00	12.0	2.4
1955	37.0	9.00	15.0	3.0
1956	35.0	8.75	15.0	3.0
1957	34.0	9.00	15.0	3.0
1958	39.0	9.75	19.0	3.4
1959	50.0	10.25	22.0	4.2
1960	51.0	9.25	22.0	4.2
1961	46.0	8.75	19.0	3.4
1962	46.0	7.75	19.0	3.4
1963	49.0	9.00	30.0	6.0
1964	46.0	9.00	30.0	6.0
1965	42.0	9.75	30.0	6.0
1966	46.0	11.50	33.0	6.6
1967	51.0	11.75	33.0	6.6
1968	51.0	11.00	33.0	6.6

a/ Unweighted average fee calculated from average base rate adjusted by annual percentage factor based on changes in livestock prices.

Source: Data for 1957-1964 from Clawson, The Federal Lands since 1956; 1965-1968 compiled from agency data.

14

Table B-7 Average Charge Per AUM of Grazing by Agency and Class of Land, [a]/ 1964

Agency and Class of Land	Average Charge Per AUM
U. S. Forest Service	
National Forests	$ 0.48 [b]/
National Grasslands	0.53 [b]/
Bureau of Land Management	
Grazing Districts	0.30 [c]/
Leased Lands	0.29 [d]/
Bureau of Indian Affairs	1.59 [b]/
Bureau of Sport Fisheries and Wildlife (Wildlife Refuges)	1.20 [b]/
National Park Service	0.30 [b]/

[a]/ Figures do not include free use and exchange of use permits.

[b]/ Source: U. S. Department of Agriculture, U. S. Department of Defense, and U. S. Department of the Interior, 1967. Review of federal land administration for livestock grazing. Report of the Interdepartmental Grazing Fee Committee. (p. 82) Table 1.

[c]/ Rate established by the Secretary of the Interior for 1964.

[d]/ Compiled from information in U.S. Department of the Interior, Bureau of Land Management, 1965. Public land statistics. Superintendent of Documents, Washington, D. C. Leases in Alaska, Kansas, Nebraska, North Dakota, South Dakota, Oklahoma, and Western Oregon are excluded.

Source: PLLRC Study, the Forage Resource, Table III A-27.

Table B-8 Receipts from Grazing of Federal Lands by Agency, 1947-1968 [a]

(1,000 dollars)

Year	Forest Service [b]	Bureau of Land Mgmt. [c]	Bureau of Sport Fish. & Wildlife	Bureau of Reclamation [d]	National Park Serv.	Department of Army		Dept. of Air Force	Dept. of Navy	Total
						Civil Works	Military			
1947	2,294	1,041								
1948	2,898	1,408								
1949	3,276	1,246								
1950	3,385	1,551	188	87						
1951	4,166	1,708	254	112						
1952	5,023	1,999	291	NA						
1953	4,890	2,112	394	117						
1954	3,930	2,057	354	139						
1955	3,760	2,240	368	131	19					
1956	3,729	2,444	387	97	18					
1957	3,366	2,286	422	164	18					
1958	3,711	2,763	406	141	17					
1959	4,486	3,228	381	113	22					
1960	4,506	3,488	414	114	23					
1961	3,898	2,982	507	117	19					
1962	3,805	2,780	506	131	19					
1963	4,027	4,028	583	133	19	577	478	235	NA	
1964	3,789	4,406	616	124	25	666	761	212	136	10,734
1965	3,519	4,251	611	119	24	628	479	167	NA	
1966	3,860	4,664	744	113	36	749	750	106	242	11,263
1967	4,183	4,581	762	124	38	852	459	147	172	11,317
1968	4,081	4,602	863	122	50	854	501	161	135	11,370

a/ Bureau of Sport Fisheries and Wildlife and Bureau of Reclamation are for calendar years, all others are for fiscal years.
b/ Includes Trespass.
c/ Includes Section 3 permits, Section 15 leases and other.
d/ Includes total receipts from withdrawn public domain lands and acquired lands under Reclamation lease.
e/ Totals incomplete for years where agency data are not available or otherwise unreported. Totals may not add due to rounding.

Source: Data supplied by agencies to PLLRC.

Table B-9 Number of Different Base Fee Rates and the Average and Range of Such Rates for Grazing on National Forests, by Region, 1960

Region	Cattle and Horses a/			Sheep and Goats		
	Different Base Rates	Average Base Rate	Range of Base Rate	Different Base Rates	Average Base Rate	Range of Base Rate
	(number)	(cents)	(cents)	(number)	(cents)	(cents)
1	13	17.3	10-24	12	4.4	2-6
2	10	19.0	13-26	4	5.7	3.25-6
3	10	11.5	10-13	7	3.1	2.50-4
4	13	15.5	6-20	11	4.2	1.50-6
5	5	19.5	15-56.4 b/	4	5.5	4.50-6
6	11	16.7	10-22	9	4.2	2.50-5
Western	24 c/	16.7	6-56.4	17	4.47	1.50-6
8	1	15.0	15	1	4.5	4.5
9	5	21.2	11-30	1	4.5	4.5
Eastern	5	20.0	11-30	1	4.5	4.5
All Regions	25	16.9	6-56.4	17	4.47	1.50-6

a/ Fees for horses are 1.5 times the fee for cattle.
b/ Rate of 56.4 based on prorated rate for lands acquired under lease from U.S. Department of Defense (Army). Normal base range 6-30 cents.
c/ Subsequent adjustments have reduced the number of different base rates for cattle and horses to 19 for Western national forests.

Source: Data supplied by agencies to PLLRC.

Section C - Timber

Acreage of commercial and noncommercial forest lands on the public lands are shown by State and census division along with commercial forest land by agency and State. The acreage has been shown separately for the principal forest land holding agencies -- the Forest Service and the Bureau of Land Management -- with acreages of all other agencies combined.

The net volume of softwood and hardwood sawtimber on commercial forest land under the jurisdiction of the Forest Service and the Bureau of Land Management, January 1, 1963 is shown by State.

Net annual growth of sawtimber on commercial forest land for 1967 is shown for the Forest Service and Bureau of Land Management by State with the volume of timber cut on commercial forest land on public land also shown by State and agency. However, the Forest Service was the only agency for which data were available.

Acreage of commercial forest land on public land which has been reserved from cutting has been presented by major agency for each year during the 1965-1967 period.

Allowable cut data were available only for the public lands under jurisdiction of the Forest Service and the Bureau of Land Management and are presented for each year of the period 1957-1967.

Timber volume sold on public land by the Forest Service and the Bureau of Land Management are shown by sale size class for the 1962-1967 period.

Total receipts from forest products for each agency for each year of the 1947-68 period are shown. Receipts derived from sale of products solely from Section 10 land could not be identified in all cases.

C - Timber

Table

C-1 Federally Administered Forest Lands (Commercial and Noncommercial) by State and Census Division, 1968

C-2 Federally Administered Commercial Forest Lands by State, Census Division and Major Agency, 1968

C-3 Net Volume of All Sawtimber on Commercial Forest Land on National Forest and Bureau of Land Management Land, by State, January 1, 1963

C-4 Net Annual Growth of Sawtimber on Commercial Forest Land on National Forest and Bureau of Land Management Lands, by States, 1967

C-5 Timber Cut on Public Commercial Forest Land by State, 1967

C-6 Productive Commercial Forest Land Reserved from Cutting on Public Lands by Major Agency, by Year, 1957-67

C-7 Allowable Cut on Public Lands by Agency, by Year, 1957-67

C-8 Timber Sold on Public Land by Sale Size Class for Forest Service, Bureau of Land Management, and Bureau Sport Fisheries and Wildlife, 1962-69

C-9 Receipts from Forest Products by Agency, by State - 1967

C-10 Receipts from Forest Products by Agency, by Year, 1947-68

Table C-1 Federally-Administered Forest Lands (Commercial and Noncommercial) by State and Census Division, 1968 a/

(1000 Acres)

State and Census Division	Commercial	Noncommercial		Total
		Productive	Unproductive	
Connecticut	1.0	-	b/	1.0
Maine	66.0	24.0	1.0	91.0
Massachusetts	29.0	1.0	7.0	37.0
New Hampshire	578.6	17.0	79.0	674.6
Rhode Island	-	-	-	-
Vermont	223.6	9.0	2.0	234.6
New England Total	898.2	51.0	89.0	1,038.2
Delaware	1.0	-	-	1.0
Maryland	13.9	15.0	a/	28.9
New Jersey	17.0	1.0	36.0	54.0
New York	57.5	1.0	26.0	84.5
Pennsylvania	496.0	7.0	a/	503.0
West Virginia	883.0	1.0	34.0	918.0
Total Mid Atlantic	1,468.4	25.0	96.0	1,589.4
Michigan	2,493.7	126.0	10.0	2,629.7
Minnesota	2,800.7	435.0	104.0	3,339.7
North Dakota	114.7	3.0	-	117.7
South Dakota (East)	72.2	3.0	32.0	107.2
Wisconsin	1,842.2	20.0	41.0	1,903.2
Total Lake States	7,323.5	587.0	187.0	8,097.5
Illinois	228.0	11.0	12.0	251.0
Indiana	213.9	22.0	-	235.9
Iowa	9.6	1.0	-	10.6
Kansas	26.5	-	-	26.5
Kentucky	660.1	46.0	-	706.1
Missouri	1,362.0	6.0	20.0	1,388.0
Nebraska	65.7	-	6.0	71.7
Ohio	121.0	9.0	-	130.0
Total Central States	2,686.8	95.0	38.0	2,819.8
North Carolina	1,349.7	287.0	73.0	1,709.7
South Carolina	840.5	9.0	7.0	856.5
Virginia	1,437.2	235.0	304.0	1,976.2
Total South Atlantic	3,627.4	531.0	384.0	4,542.6
Florida	1,527.8	44.0	269.0	1,840.8
Georgia	1,681.6	11.0	54.0	1,746.6
Total East Gulf	3,209.4	55.0	323.0	3,587.4
Alabama	787.8	21.0	-	808.8
Mississippi	1,299.5	21.0	-	1,320.5
Tennessee	826.0	249.0	-	1,075.0
Total Central Gulf	2,913.3	291.0	-	3,204.3
Arkansas	2,641.2	49.0	-	2,690.2
Louisiana	715.9	51.0	-	766.0
Oklahoma	483.4	10.0	48.0	541.4
Texas	772.0	14.0	55.0	841.1
Total West Gulf	4,612.6	124.0	103.0	4,839.6
Alaska	5,404.0	200.0	7,142.0	12,746.0
Oregon	15,345.0	642.0	1,904.0	17,891.0
Washington	7,410.0	1,236.0	2,032.0	10,678.0
Total Pacific Northwest	28,159.0	2,078.0	11,078.0	41,315.0
California	9,253.0	1,127.0	9,260.0	19,640.0
Hawaii	8.6	58.0	40.0	106.6
Total Pacific Southwest	9,261.6	1,185.0	9,300.0	19,746.6
Idaho	12,067.6	1,864.0	3,688.0	17,619.6
Montana	11,806.7	1,355.0	3,111,0	16,272.7
South Dakota (West)	964.8	20.0	34.0	1,018.8
Wyoming	3,875.0	2,580.0	2,006.0	8,461.0
Total Northern Rocky Mountain	28,714.1	5,819.0	8,839.0	43,372.1
Arizona	3,901.9	223.0	11,353,0	15,427.9
Colorado	8,887.3	448.0	5,358.0	14,693.3
Nevada	53.7	27.0	3,847.0	3,927.7
New Mexico	3,936.2	503.0	7,511.0	11,950.2
Utah	3,089.4	159.0	7,710.0	10,958.4
Total Southern Rocky Mountain	19,868.5	1,360.0	35,779.0	57,007.5
Total U.S.	112,742.8	12,201.0	66,216.0	191,159.8

a/ Includes Indian tribal and trust lands.
b/ Less than 500 units.

Source: Data supplied PLLRC by agencies.

Table C-2 Federally Administered Commercial Forest Lands by State, Census Division and Major Agency, 1968

(1000 Acres)

State and Census Division	Forest Service	Bureau of Land Management	Other Agencies a/	Total
Connecticut	-	-	1.0	1.0
Maine	39.0	-	27.0	66.0
Massachusetts	-	-	29.0	29.0
New Hampshire	569.0	-	9.6	578.6
Rhode Island	-	-	-	-
Vermont	219.9	-	3.7	223.6
Total New England	827.9	-	70.3	898.2
Delaware	-	-	1.0	1.0
Maryland	-	-	13.9	13.9
New Jersey	-	-	17.0	17.0
New York	-	-	57.5	57.5
Pennsylvania	466.0	-	30.0	496.0
West Virginia	869.0	-	14.0	883.0
Total Middle Atlantic	1,335.0	-	133.4	1,468.4
Michigan	2,422.8	8.4	62.5	2,493.7
Minnesota	2,127.3	63.6	609.8	2,800.7
North Dakota	-	1.0	113.7	114.7
South Dakota (East)	-	1.2	71.0	72.2
Wisconsin	1,372.0	4.4	465.8	1,842.2
Total Lake States	5,922.1	78.6	1,322.8	7,323.5
Illinois	187.8	-	40.2	228.0
Indiana	126.6	-	77.3	213.9
Iowa	-	-	9.6	9.6
Kansas	-	-	26.5	26.5
Kentucky	452.8	-	207.3	660.1
Missouri	1,311.0	-	51.0	1,362.0
Nebraska	43.0	-	22.7	65.7
Ohio	112.3	-	8.7	121.0
Total Central States	2,243.5	-	443.3	2,686.8
North Carolina	1,035.6	-	314.1	1,349.7
South Carolina	550.9	-	289.6	840.5
Virginia	1,202.8	-	234.4	1,437.2
Total South Atlantic	2,789.3	-	838.1	3,637.4
Florida	917.7	2.8	607.3	1,527.8
Georgia	748.6	-	933.0	1,681.6
Total East Gulf	1,666.3	2.8	1,540.3	3,209.4
Alabama	618.4	2.7	166.7	787.8
Mississippi	1,118.8	1.1	179.6	1,299.5
Tennessee	583.0	-	243.0	826.0
Total Central Gulf	2,320.2	3.8	589.3	2,913.3
Arkansas	2,384.3	2.3	254.6	2,641.2
Louisiana	575.2	6.0	134.7	715.9
Oklahoma	235.2	-	248.2	483.4
Texas	618.5	-	153.6	772.1
Total West Gulf	3,813.2	8.3	791.1	4,612.6
Alaska	5,292.0	83.0	29.0	5,404.0
Oregon	12,595.0	2,418.0	332.0	15,345.0
Washington	5,567.0	53.0	1,790.0	7,410.0
Total Pacific Northwest	23,454.0	2,554.0	2,151.0	28,159.0
California	8,812.0	291.0	150.0	9,253.0
Hawaii	-	-	8.6	8.6
Total Pacific Southwest	8,812.0	291.0	158.6	9,261.6
Idaho	11,657.1	373.1	37.4	12,067.6
Montana	10,530.6	552.3	723.8	11,806.7
South Dakota (West)	955.1	5.6	4.1	964.8
Wyoming	3,356.3	394.6	124.1	3,875.0
Total North Rocky Mountain	26,499.1	1,325.6	889.4	28,714.1
Arizona	2,755.8	2.0	1,144.1	3,901.9
Colorado	8,365.5	414.2	107.6	8,887.3
Nevada	51.7	2.0	-	53.7
New Mexico	3,233.6	76.8	625.8	3,936.2
Utah	2,777.7	154.3	157.4	3,089.4
Total South Rocky Mountain	17,184.3	649.3	2,034.9	19,868.5
Total U.S.	96,866.9	4,913.4	10,962.5	112,742.8

a/ Includes Indian tribal and trust land.

Table C-3 Net Volume of All Sawtimber on Commercial Forest Land on National Forest and Bureau of Land Management Land, by State, January 1, 1963

(Million board feet, International ¼-inch log rule)

Section, region & State	National forest			BLM
	Softwoods	Hardwoods	All Species	Softwood a/
Connecticut	-	-	-	
Maine	52	87	139	
Massachusetts	-	-	-	
New Hampshire	640	1,152	1,792	
Rhode Island	-	-	-	
Vermont	287	653	940	
Total New England	979	1,892	2,871	
Delaware	-	-	-	
Maryland	-	-	-	
New Jersey	-	-	-	
New York	-	-	-	
Pennsylvania	90	963	1,053	
West Virginia	452	2,489	2,941	
Total Middle Atlantic	542	3,452	3,994	
Michigan	1,174	1,619	2,793	
Minnesota	1,234	607	1,841	
North Dakota	-	-	-	
South Dakota (East)	-	-	-	
Wisconsin	324	811	1,135	
Total Lake States	2,732	3,037	5,769	
Illinois	6	359	365	
Indiana	9	182	192	
Iowa	-	5	5	
Kansas	-	-	-	
Kentucky	552	1,076	1,628	
Missouri	486	855	1,341	
Nebraska	20	59	79	
Ohio	8	223	231	
Total Central	1,081	2,760	3,841	
North Carolina	1,036	2,099	3,135	
South Carolina	1,731	368	2,099	
Virginia	747	1,805	2,552	
Total South Atlantic	3,514	4,272	7,786	
Florida	1,501	184	1,685	
Georgia	1,220	1,587	2,807	
Total East Gulf	2,721	1,771	4,492	
Alabama	1,553	515	2,968	
Mississippi	4,302	303	4,805	
Tennessee	1,006	900	1,906	
Total Central Gulf	6,861	1,918	8,779	
Arkansas	4,850	1,757	6,607	
Louisiana	2,037	355	2,392	
Oklahoma	544	119	663	
Texas	4,775	678	5,453	
Total West Gulf	12,206	2,909	15,115	
Alaska	169,816	1,112	170,928	23,000est.
Oregon	294,915	3,944	298,859	52,096
Washington	165,667	373	166,040	234
Total Pacific Northwest	630,398	5,429	635,827	77,330est.
California	161,200	903	162,103	2,672
Hawaii	-	-	-	-
Total Pacific Southwest	161,200	903	162,103	2,672
Idaho	94,822	163	94,985	2,193
Montana	74,883	596	75,479	1,481
South Dakota (west)	2,687	-	2,687	22est.
Wyoming	23,762	109	23,871	1,108
Total Northern Rocky Mountain	196,154	868	197,022	4,804 est.
Arizona	19,877	77	19,954	12est.
Colorado	50,135	2,658	52,793	872
Nevada	84	3	87	N.A.
New Mexico	16,205	210	16,415	62est.
Utah	16,552	1,708	18,260	108est.
Total Southern Rocky Mountain	102,853	4,656	107,509	1,054est.
Total U.S.	1,121,241	33,867	1,155,108	85,860est.

Not Applicable - No BLM Land

a/ No hardwood data available. N.A. means data not available.

Source: Timber Trends in the United States, F.S., U.S.D.A. #17 and data furnished PLRC by Agencies.

Table C-4 Net Annual Growth of Sawtimber on Commercial Forest Land on National Forest and BLM Lands, by States, 1967

(Million board feet, International ¼-inch log rule)

Section, region & State	Forest Service	Bureau of Land Management a/
Connecticut	-	Not Applicable - No BLM Land
Maine	4.6	
Massachusetts	-	
New Hampshire	56.6	
Rhode Island	-	
Vermont	4.9	
Total New England	66.0	
Delaware	-	
Maryland	-	
New Jersey	-	
New York	-	
Pennsylvania	60.5	
West Virginia	119.3	
Total Middle Atlantic	179.8	
Michigan	123.4	
Minnesota	128.5	
North Dakota	-	
South Dakota (East)	-	
Wisconsin	63.3	
Total Lake States	315.2	
Illinois	26.7	
Indiana	6.4	
Iowa	b/	
Kansas	-	
Kentucky	60.2	
Missouri	119.6	
Nebraska	3.4	
Ohio	14.5	
Total Central	231.2	
North Carolina	125.5	
South Carolina	156.1	
Virginia	48.7	
Total South Atlantic	330.3	
Florida	91.1	
Georgia	91.4	
Total East Gulf	182.5	
Alabama	139.0	
Mississippi	354.0	
Tennessee	96.0	
Total Central Gulf	589.0	
Arkansas	407.0	
Louisiana	209.0	
Oklahoma	21.0	
Texas	295.0	
Total West Gulf	932.0	
Alaska	154.0	N.A.
Oregon	830.0	478.0
Washington	683.0	4.6
Total Pacific Northwest	1,667.0	482.6
California	941.0	38.0
Hawaii	-	-
Total Pacific Southwest	941.0	38.0
Idaho	801.0	18.1
Montana	548.0	N.A.
South Dakota (West)	31.0	N.A.
Wyoming	155.0	N.A.
Total North Rocky Mountain	1,535.0	18.1
Arizona	365.0	N.A.
Colorado	199.0	N.A.
Nevada	.5	N.A.
New Mexico	305.0	N.A.
Utah	140.0	N.A.
Total South Rocky Mountain	1,000.5	N.A.
Total U.S.	7,969.4	538.7

a/ Softwood only, Hardwood not available. N.A. means data not available.

b/ Less than 50,000 Board Feet.

Source: Data furnished PLLRC by Agencies.

Table C-5 Timber Cut on Public Commercial Forest Land by State, 1967

(1,000 Board Feet)

State	Forest Service	Bureau of Land Management	Bureau of Sport Fish. & Wildlife
Alabama	50,417	-	414
Alaska	451,553	-	336
Arizona	325,021	-	-
Arkansas	123,732	-	17,485
California	1,761,195	-	-
Colorado	242,543	-	-
Florida	90,694	-	166
Georgia	54,518	-	6,245
Idaho	913,766	-	-
Illinois	4,948	-	118
Indiana	4,877	-	-
Kentucky	26,127	-	-
Louisiana	76,635	-	-
Maine	6,193	-	-
Michigan	153,208	-	-
Minnesota	134,898	-	28
Mississippi	130,840	-	4,780
Missouri	50,864	-	-
Montana	730,948	-	-
Nebraska	21	-	-
New Hampshire	24,367	-	-
New Mexico	131,270	-	-
New York	7	-	18
North Carolina	50,603	-	-
North Dakota	20	-	-
Ohio	5,461	-	-
Oklahoma	7,925	-	-
Oregon	3,026,065	-	-
Pennsylvania	31,117	-	-
Puerto Rico	2	-	-
South Carolina	110,362	-	-
South Dakota	56,391	-	-
Tennessee	24,496	-	534
Texas	107,499	-	-
Utah	51,892	-	-
Vermont	17,092	-	-
Virginia	59,242	-	-
Washington	1,557,003	-	15
West Virginia	42,784	-	-
Wisconsin	93,874	-	19
Wyoming	120,033	-	-
Total	10,850,930	1,469,000 a/	30,158

a/ Estimated - based on cut being approximately equal to Timber Products Sold. (Includes volume cut on O&C and Coos Bay Wagon Road lands.)

Source: Data supplied PLLRC by agencies.

Table C-6 Productive Commercial Forest Land Reserved From Cutting on Public Lands by Major Agency by Year, 1957-67

(Acres)

Year	Forest Service	Bureau of Land Management	Bureau of Sport Fish. & Wildlife	National Park Service
1957	4,172,400	2,763	211,488	N.A.
1958	4,172,400	7,874	211,648	N.A.
1959	4,172,400	N.A.	212,821	N.A.
1960	4,269,400	N.A.	213,821	N.A.
1961	4,269,400	4,116	213,968	N.A.
1962	4,269,400	N.A.	220,433	N.A.
1963	3,999,900	2,800	220,433	N.A.
1964	4,114,800	2,800	223,624	N.A.
1965	5,832,300	2,935	224,294	N.A.
1966	5,832,300	2,913	240,525	N.A.
1967	5,832,300	15,814	244,538	N.A.

Source: Provided to the PLLRC by Federal agencies concerned.

Table C-7 Allowable Cut on Public Lands by Agency, by Year, 1957-67

(1,000,000 Board Feet)

Year	Forest Service	Bureau of Land Management	Other Agencies
1957	N.A.	170	Not Available
1958	N.A.	170	
1959	N.A.	170	
1960	N.A.	170	
1961	N.A.	168	
1962	11,311	164	
1963	13,471	163	
1964	13,391	164	
1965	12,751	164	
1966	12,725	155	
1967	12,993	155	

a/ Available for California, Colorado, Idaho, Montana, Oregon, Washington, and Wyoming. Western Oregon excluded.

Source: Data provided to the PLLRC by the agencies concerned.

Table C-8 Timber Sold on Public Land by Sale Size Class for Forest Service, Bureau of Land Management, and Bureau of Sport Fisheries & Wildlife, 1962-69

(Million board feet - mmbf)

Year	U.S. Forest Service							Bureau of Land Management 2/	Bureau of Sport Fish & Wildlife 3/
	To $300	$300-2000	$2000 to 2 mmbf 1/	2-5 mmbf	5-15 mmbf	Over 15 mmbf	Total mmbf		
1962	216.0	391.5	1232.3	1433.7	3888.3	3164.1	9,325.9	1,168	27.1
1963	256.4	490.9	1605.1	1929.8	4319.6	3573.5	12,175.3	1,163	46.2
1964	255.6	488.5	1410.2	1790.3	4217.2	3519.7	10,681.5	1,781	58.9
1965	256.8	544.6	1393.6	1771.5	4168.6	3365.5	11,500.6	1,540	49.2
1966	257.0	555.6	1311.1	1712.3	4200.3	3346.7	11,383.0	1,352	55.0
1967	234.9	469.7	1364.8	1917.4	4582.2	3085.8	11,654.8	1,469	53.8
1968	227.3	461.2	1329.1	1868.1	4507.1	3258.8	11,651.6	1,493	45.7
1969	229.8	430.3	1308.3	1898.2	4298.2	10,766.2	18,931.0 4/	1,191	N.A.

1/ Sales of $2,000 or less are handled at the district level and are reported in dollar values rather than in million board feet.
2/ Average sale size class approximately 2 million board feet. No other sale size classification.
3/ Average sale size class approximately 0.2 million board feet. No other sale size classification.
4/ Includes sale of 8,750 mmbf in Alaska, Juneau Unit - North Tongass National Forest.

Source: Data furnished PLLRC by agencies.

Table C-9 Receipts from Forest Products by Agency, by State - 1967

($1,000)

State	Forest Service a/	Bureau of Land Management b/	Bureau of Sport Fish. & Wildlife c/
Alabama	1,264	(1) d/	12
Alaska	1,155	2	1
Arizona	1,661	negl.	
Arkansas	3,938		640
California	25,145	486	-
Colorado	1,281	41	-
Florida	1,463	-	29
Georgia	1,594	-	266
Idaho	6,996	296	-
Illinois	120	-	4
Indiana	57	-	-
Kentucky	351	-	-
Louisiana	1,749	-	-
Maine	69	1	3
Michigan	973	-	-
Minnesota	757	-	2
Mississippi	2,937	-	153
Missouri	678	-	-
Montana	7,217	134	-
Nebraska	negl.	-	-
Nevada	1	7	-
New Hampshire	276	-	-
New Mexico	601	8	-
New York	negl.	-	1
North Carolina	1,007	-	-
North Dakota	negl.	-	negl.
Ohio	58	-	-
Oklahoma	230	-	negl.
Oregon	84,090	46,009	-
Pennsylvania	1,023	-	-
South Carolina	3,198	-	-
South Dakota	230	-	-
Tennessee	331	-	10
Texas	3,300	-	negl.
Utah	221	13	-
Vermont	599	-	-
Virginia	463	-	-
Washington	31,925	62	negl.
West Virginia	723	-	-
Wisconsin	546	-	31
Wyoming	484	18	-
Total	188,711	47,077	1,152

a/ Report of the Chief of the Forest Service, 1967, USDA. Includes amounts authorized by the Knutson-Vandenberg Act of June 9, 1930 reforestation and timber stand improvement. Totals may not add due to rounding.

b/ Table 113, Public Land Statistics, 1967, Bureau of Land Management.

c/ Pages 15-17, National Wildlife Refuges Farming Programs Summaries of Farming, Grazing, Haying and Timber, Calendar Year 1967, Bureau of Sport Fisheries and Wildlife.

d/ Adjustment of prior year's receipts; there were no receipts for 1967.

Table C-10 Receipts from Forest Products by Agency, by Year, 1947-68[a/]

($1,000)

Year [b/]	Forest Service [c/]	Bureau of Land Management [d/]	Bureau of Sport Fish. & Wildlife	Department of Defense
1947	$ 15,745	-	N.A.	
1948	21,243	-	N.A.	
1949	27,889	$ 379	N.A.	
1950	30,269	667	$ 128	
1951	52,512	1,430	122	
1952	65,407	1,483	177	
1953	69,889	1,583	123	
1954	62,802	1,974	114	
1955	75,044	2,721	398	
1956	110,127	3,309	297	
1957	106,873	2,381	258	
1958	85,898	1,647	361	
1959	115,194	2,791	393	
1960	139,903	2,508	206	
1961	98,425	2,248	490	[e/]
1962	105,150	2,656	534	$ 2,921
1963	117,387	2,367	545	3,028
1964	127,960	2,568	951	3,741
1965	138,769	2,448	848	4,581
1966	164,937	3,696	982	4,841
1967	172,789	2,729	1,152	5,083
1968	205,609	3,478	1,426	N.A.

a/ Receipts by year in which deposited in the Treasury rather than year in which earned.

b/ All data on fiscal year basis except for BSF&W. Receipts for BSF&W not available on fiscal year basis.

c/ National Forests only; excludes L.U. and National Grasslands but includes receipts from former Controverted O&C Lands.

d/ Public Domain only; excludes O&C, CBWR and Reclamation Lands on which BLM conducts sales.

e/ Defense timber reported sold primarily on acquired lands. Data not available for 1961 or earlier.

Source: Compiled from individual agency data.

Section D - Nonfuel Minerals

Certain public lands have been patented for purposes other than mining with the mineral rights reserved to the United States. The acreage reserved to the United States since 1948, the last year that the mineral reservations were kept on a State-by-State basis, is shown.

Data are shown on the number of permits, licenses and leases, and the acreage involved, by State, when nonfuel minerals are disposed of under the leasing system.

Tables are included to show receipts from nonfuel mineral leases, licenses and permits on all Federal lands along with royalty assessments.

The number of mineral patents applied for and issued under the location system are listed in addition to the rental and royalty rates for nonfuel minerals.

D - Nonfuel Minerals

Table

D-1	Patents Issued with Minerals Reserved to the United States, through 1968
D-2	Nonfuel Mineral Leases, Permits and Licenses on the Public Domain Under Supervision of the Geological Survey as of June 30, 1968
D-3	Nonfuel Mineral Leases, Permits and Licenses on Acquired Land Under Supervision of the Geological Survey as of June 30, 1968, with Totals of Both Public Domain and Acquired Land
D-4	Royalty Assessments for Nonfuel Minerals Removed from Public Lands, by States, FY 1968
D-5	Receipts from Nonfuel Mineral Leases, Licenses and Permits on Public Lands, FY 1968
D-6	Royalty Assessments for Nonfuel Minerals Removed from Public Domain, 1958-68
D-7	Royalty Assessments for Nonfuel Minerals Removed from Acquired Lands, 1958-68
D-8	Mineral Patent Applications Adjudicated and Patents Issued, by States, 1959-68
D-9	Rental and Royalty Rates for Nonfuel Minerals on Public Lands

Table D-1 Patents Issued with Minerals Reserved to the United States, through 1968

State	TYPE OF MINERAL RESERVATION				
	All Minerals	Phosphate	Oil & Gas Plus Other Minerals	Miscellaneous Minerals and Combinations	Total
	(acres)	(acres)	(acres)	(acres)	(acres)
Through 1948					
Alaska	6,501	-	773	-	7,274
Alabama	4,412	-	2,889	-	7,301
Arizona	2,547,517	-	-	101,880	2,649,397
Arkansas	1,107	85	40	-	1,232
California	2,352,070	-	23	1,864	2,353,957
Colorado	4,271,042	-	38,494	-	4,309,536
Florida	1,154	71,259	520	-	72,933
Idaho	1,291,163	270,036	216,060	-	1,777,359
Illinois	634	-	-	-	634
Iowa	359	-	-	-	359
Kansas	54,384	-	-	-	54,384
Louisiana	1,223	-	3,844	-	5,067
Michigan	1,935	-	-	-	1,935
Minnesota	235	8	-	-	243
Mississippi	974	-	-	-	974
Missouri	166	-	-	-	166
Montana	3,993,640	11,290	17,788	150	4,022,868
Nebraska	72,964	-	-	-	72,964
Nevada	242,717	-	80	40	242,837
New Mexico	6,378,118	680	70,673	2,092,091	8,541,562
North Dakota	134,578	-	1,164	40	135,782
Ohio	38	-	-	744	782
Oklahoma	48,781	-	-	-	48,781
Oregon	1,639,742	-	480	-	1,640,222
South Dakota	1,565,802	-	-	-	1,565,802
Utah	856,083	21,567	8,157	1,680	887,496
Washington	262,444	-	384	400	263,228
Wisconsin	1,546	-	-	-	1,546
Wyoming	9,451,179	32,037	17,341	257	9,590,814
Total through 1948	35,272,508	406,971	378,710	2,199,146	38,257,355
Fiscal years 1949-1950	368,466	1,138	7,662	4,235	376,501
Fiscal years 1951-1960	1,258,347	5,075	109,323	36,586	1,409,331
Fiscal year 1961	45,720	-	21,483	1,831	69,034
Fiscal year 1962	80,285	-	16,119	1,140	97,544
Fiscal year 1963	98,006	-	37,164	6,888	142,058
Fiscal year 1964	81,842	-	55,461	1,717	139,020
Fiscal year 1965	177,358	254	79,717	5,922	263,251
Fiscal year 1966	321,243	120	95,576	4,258	421,197
Fiscal year 1967	284,683	185	54,756	1,966	341,588
Fiscal year 1968	384,256	-	70,296	508	455,060
Grand Total	38,367,714	413,743	926,265	2,264,197	41,971,919

Note: Data prior to 1949 tabulated from incomplete records; data after 1948 not maintained by States.

Source: Public Land Statistics, 1968, Bureau of Land Management, U. S. Dept. of the Interior.

Table D-2 Nonfuel Mineral Leases, Permits and Licenses on the Public Domain Under Supervision of the Geological Survey
As of June 30, 1968

	PHOSPHATE		POTASH				SODIUM				OTHER MINERALS		TOTAL	
	Leases		Leases		Permits		Leases		Permits		Leases/Permits			
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Arizona	-	-	-	-	2	1,348	6	9,035	1	40	8 a/	3,920		
											15 g/	7,674	32	22,016
California	**3	4,043	5	8,953	15	31,521	20	24,788	17	20,624	-	-	60	89,929
Colorado	-	-	2	3,026	4	5,927	1	120	8	19,109	-	-	15	28,182
Idaho	72	42,956	-	-	-	-	-	-	-	-	-	-		
	**81	33,233	-	-	-	-	-	-	-	-	-	-	153	76,189
Montana	30	29,233	-	-	-	-	1	160	-	-	2 c/	115		
	**24	15,072	-	-	-	-	-	-	-	-	-	-	57	44,580
Nevada	*9	8,984	3	6,108	18	33,230	16	24,928	8	16,759	2 d/	481		
	-	-	-	-	-	-	-	-	-	-	3 b/	160		
	-	-	-	-	-	-	-	-	-	-	3 f/	1,790	62	92,440
New Mexico	-	-	117	185,898	27	53,488	1	80	-	-	331 e/	203,795	476	443,261
North Dakota	-	-	-	-	-	-	2	1,005	-	-	-	-	2	1,005
Oklahoma	-	-	-	-	-	-	-	-	-	-	1 d/	160	1	160
Utah	11	12,974	47	70,308	53	123,716	-	-	1	563	-	-		
	**19	30,521	-	-	-	-	-	-	-	-	-	-	131	238,081
Wyoming	**4	7,305	-	-	-	-	-	-	-	-	-	-		
	10	13,354	-	-	-	-	47	80,382	6	12,104	-	-	67	113,146
Total	263	197,676	174	274,293	119	249,230	94	140,298	41	69,199	365	218,094	1,056	1,148,989

Phosphate leases	123	98,517
**Phosphate permits	140	99,159
Total Phosphate	263	197,676

a/ Uranium leases
b/ Tungsten leases
c/ Phosphate use permits
d/ Silica sand leases
e/ Sulphur permits
f/ Sand and gravel leases
g/ Gold, silver, copper leases

Source: Annual Report, Mining Branch, U.S.G.S. Conservation Division, 1968.
Note: Totals may not add exactly due to rounding.

Table D-3 Nonfuel Mineral Leases, Permits and Licenses on Acquired Land Under Supervision of the Geological Survey as of June 30, 1968, with Totals of Both Public Domain and Acquired Land

States	Number	Acres	Remarks	Total Public Domain a/ and Acquired Lands	
				Number	Acres
Alabama	1	282	1 copper permit	1	282
Arizona	-	-	mixed	32	22,016
Arkansas	21	2,592	mixed	21	2,592
California	3	739	mixed	63	90,668
Colorado	10	18,519	mixed	25	46,701
Florida	64	83,831	all Phosphate permits	64	83,831
Georgia	4	717	3 Feldspar, 1 Quartz	4	717
Idaho	5	920	mixed	158	77,109
Illinois	7	1,108	1 coal lease included	7	1,108
Maine	1	5	Feldspar lease	1	5
Michigan	3	560	Copper permits	3	560
Minnesota	120	96,916	Copper-Nickel	120	96,916
Mississippi	7	3,244	mixed	7	3,244
Missouri	126	140,659	mixed	126	140,659
Montana	4	2,938	mixed	61	47,518
Nevada	-	-	mixed	62	92,440
New Hampshire	2	3,908	1 Feldspar, 1 Uranium	2	3,908
New Mexico	38	71,120	mixed	514	514,381
North Carolina	17	13,558	mixed	17	13,558
North Dakota	4	1,036	may include some coal	6	2,041
Oklahoma	-	-	Slica Sand lease	1	160
South Dakota	15	24,394	mixed	15	24,394
Tennessee	5	3,396	mixed	5	3,396
Utah	3	540	mixed	134	238,622
Virginia	9	9,534	2 are coal	9	9,534
Wisconsin	1	320	Copper-Nickel	1	320
Wyoming	33	42,502	1 coal permit incl. in Acq. Land	100	155,648
Total United States	503	523,338		1,559	1,672,328

a/ Public Domain totals are from preceding table.
Source: "Annual Report - Branch of Mining Operations, Conservation Division, U.S. Geological Survey, F.Y. 1968.

Table D-4 Royalty Assessments for Nonfuel Minerals Removed from Public Lands, by States, FY 1968 a/

State	PUBLIC DOMAIN														
	PHOSPHATE			POTASH			SODIUM			URANIUM			ALL OTHERS		
	Prod. (1,000 ton)	Value ($1,000)	Royalty ($1,000)	Prod. (1,000 ton)	Value ($1,000)	Royalty ($1,000)	Prod. (1,000 ton)	Value ($1,000)	Royalty ($1,000)	Prod. (1,000 ton)	Value ($1,000)	Royalty ($1,000)	Prod. (1,000 ton)	Value ($1,000)	Royalty ($1,000)
Arizona	-	-	-	-	-	-	-	-	-	6.9 k/	208.0	12.8	.2	20.6	1.0 b/
Arkansas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
California	7.8	19.6	1.0	314.9	5,993.5	256.4	1,122.0	28,822.4	1,306.7	-	-	-	-	-	-
Colorado	-	-	-	-	-	-	9.3	41.9	2.1	-	-	-	-	-	-
Florida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	1,675.0	5,463.0	418.8	-	-	-	-	-	-	-	-	-	-	-	-
Illinois	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missouri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana	153.0	984.4	25.0	-	-	-	.4	2.8	.1	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	4.3	727.4	22.4	-	-	-	44.0	45.6	4.6 c/
New Mexico	-	-	-	11.846.6	50,739.9	2,337.9	72.2	57.8	2.9	-	-	-	-	-	-
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	-	496.7	2,483.7	6.2 d/
Utah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	835.8	6,467.0	444.8	12,161.5	56,733.4	2,594.3	1,208.2	29,152.3	1,334.2	6.9	208.0	12.8	540.9	2,549.9	11.8

State	ACQUIRED LAND												TOTAL ALL LAND	
	PHOSPHATE			BENTONITE			FLUORSPAR & ZINC			ALL OTHERS				
	Prod.	Value	Royalty	Prod.	Value	Royalty	Prod.	Value	Royalty	Prod.	Value	Royalty	Value	Royalty
Arizona	-	-	-	-	-	-	-	-	-	-	-	-	228.6	13.8
Arkansas	-	-	-	-	-	-	-	-	-	Negl.	1.2	.1 e/	1.2	.1
California	-	-	-	-	-	-	-	-	-	-	-	-	34,835.5	1,564.1
Colorado	-	-	-	-	-	-	-	-	-	-	-	-	41.9	2.1
Florida	.4	1.0	.1	-	-	-	-	-	-	-	-	-	1.0	.1
Georgia	-	-	-	-	-	-	-	-	-	26.0	188.2	4.2 f/	188.2	4.2
Idaho	-	-	-	-	-	-	-	-	-	Negl.	.8	.1 g/	5,463.8	418.9
Illinois	-	-	-	-	-	-	13.9	390.5	39.1	-	-	-	390.5	39.1
Missouri	-	-	-	-	-	-	18.7	1,744.7	70.4	168.2	25,551.1	1,037.3 h/	27,295.8	1,107.7
Montana	-	-	-	-	-	-	-	-	-	-	-	-	987.2	25.1
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	773.0	27.0
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-	50,797.7	2,340.8
North Carolina	-	-	-	-	-	-	-	-	-	21.4	85.7	5.6 i/	85.7	5.6
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	-	2,483.7	6.2
Utah	-	-	-	-	-	-	-	-	-	14.4	62.0	3.1 j/	62.0	3.1
Wyoming	-	-	-	8.6	85.7	3.4	-	-	-	-	-	-	85.7	3.4
Total	.4	1.0	.1	8.6	85.7	3.4	32.6	2,135.2	109.5	230.0	25,889.0	1,050.4	123,721.5	5,561.3

a/ Does not include common varieties of sand, stone, gravel, pumice, pumicite, cinders and clay.
b/ Copper
c/ Silica and Sand-Gravel
d/ Silica Sand
e/ Quartz Crystals
f/ Feldspar
g/ Garnet Sand
h/ Copper conc. and Lead
i/ Quartz
j/ Limestone
k/ Orphan Mine, Grand Canyon National Park

Source: Mineral Production, Royalty Income, and Related Statistics, 1968, U. S. Geological Survey, Conservation Division.

Table D-5 Receipts from Nonfuel Mineral Leases, Licenses and Permits on Public Lands, FY 1968 a/

State	Public Domain					Acquired Land	Total All Land
	Phosphate	Potash	Sodium	Others	Total	All Minerals	All Minerals
Alabama	-	-	-	$ 20	$ 20	-	$ 20
Arizona	$ 1,142	-	$ 8,729	10,366	20,237	-	20,237
Arkansas	-	-	-	10	10	-	10
California	690	$ 221,895	1,088,577	547	1,311,709	-	1,311,709
Colorado	-	5,186	1,925	-	7,111	-	7,111
Florida	-	-	-	100	100	$ 522	622
Georgia	-	-	-	-	-	3,163	3,163
Idaho	413,180	-	-	-	413,180	440	413,620
Illinois	-	-	-	-	-	283	283
Louisiana	-	-	-	55	55	-	55
Minnesota	-	-	-	-	-	20,946	20,946
Missouri	-	-	-	-	-	490,236	490,236
Montana	128,281	-	175	-	128,456	-	128,456
Nevada	2,247	7,718	25,514	4,338	39,817	1,984	41,801
New Mexico	-	3,154,780	80	24,863	3,179,723	609	3,180,332
North Dakota	-	-	1,005	-	1,005	183	1,188
Oklahoma	-	-	-	3,970	3,970	-	3,970
South Dakota	-	-	-	60	60	5,989	6,049
Utah	20,800	95,695	141	28,428	145,064	-	145,064
Washington	-	-	-	110	110	-	110
Wyoming	19,279	-	558,278	855	578,412	8,268	586,680
U. S. Total	585,619	$3,485,274	$1,684,424	$73,722	$5,829,039	$532,623	$6,361,662

a/ Does not include bonuses from competitive leasing of $500 in Mississippi for clay on acquired lands and $17,455 in Wyoming for a sodium lease and $6,405 for a phosphate lease on public lands. Also, does not include common varieties of sand, stone, gravel, pumice, pumicite, cinders and clay.

Source: Public Land Statistics, 1968, Bureau of Land Management, U. S. Department of the Interior; except that receipts for potash and sodium in California are from records of the Geological Survey.

Table D-6 Royalty Assessments for Nonfuel Minerals Removed from Public Domain, 1958-68 a/

Year	PHOSPHATE			POTASSIUM			SODIUM			URANIUM		
	Production 1,000 tons	Value $1,000	Royalty $1,000	Production 1,000 tons	Value $1,000	Royalty $1,000	Production 1,000 tons	Value $1,000	Royalty $1,000	Production 1,000 tons	Value $1,000	Royalty $1,000
1958	1,030	3,406	218	10,838	69,393	2,946	973	25,245	834	-	-	-
1959	1,348	3,810	277	13,017	78,987	3,404	1,010	25,305	848	-	-	-
1960	1,283	3,960	279	12,869	72,920	3,226	1,023	26,448	922	-	-	-
1961	1,041	3,552	234	12,550	88,173	4,050	961	24,001	892	-	-	-
1962	1,034	3,495	247	13,596	90,434	4,205	1,039	25,103	957	15	525	34
1963	1,215	3,914	260	14,620	94,863	4,413	1,559	35,774	1,331	54	2,304	161
1964	1,547	5,056	314	16,681	108,572	5,024	1,492	34,028	1,317	59	2,053	133
1965	2,603	10,105	511	18,256	107,963	5,012	1,522	34,618	1,392	34	1,489	96
1966	2,406	8,637	461	17,549	94,445	4,357	1,605	36,134	1,455	11	344	25
1967	2,154	7,626	452	13,811	69,231	3,198	1,766	39,463	1,603	3	48	3
1968	1,836	6,467	443	12,162	56,733	2,594	2,536	55,936	2,260	7	208	13

Year	SILICA AND SILICA SANDS			OTHER MINERALS INCLUDING SULPHUR			TOTAL NONFUEL MINERALS	
	Production 1,000 tons	Value $1,000	Royalty $1,000	Production 1,000 tons	Value $1,000	Royalty $1,000	Value $1,000	Royalty $1,000
1958	24	28	2	102	1,152	71	98,073	4,000
1959	156	337	5	130	470	42	108,439	4,534
1960	13	13	1	59	583	37	103,341	4,429
1961	37	37	4	61	368	24	115,777	5,180
1962	24	35	2	35	298	18	119,591	5,445
1963	21	38	2	43	400	24	137,005	6,175
1964	227	991	4	27	299	14	150,922	6,802
1965	294	1,458	4	5	-131 b/	-5 b/	155,792	7,024
1966	441	2,191	6	38	608	20	141,840	6,307
1967	433	2,158	6	60	712	31	118,658	5,264
1968	500	2,488	7	81	814	41	121,894	5,324

a/ Does not include common varieties of sand, stone, gravel, pumice, punicite, cinders and clay.
b/ Adjustment in record keeping.

Source: Mineral Production, Royalty Income and Related Statistics, USGS, Conservation Division, 1968.

Table D-7 Royalty Assessment for Nonfuel Minerals Removed from Acquired Lands, 1958-68 a/

Year	BENTONITE CLAY			COPPER - LEAD		
	Tons	Value	Royalty	Tons	Value	Royalty
1958	3,700	$ 7,800	$ 400	-	-	-
1959	7,400	11,300	600	-	-	-
1960	26,600	198,000	9,900	3,100	$ 388,200	$ 15,500
1961	1,000	1,600	100	9,000	1,006,400	40,300
1962	1,600	2,400	100	2,900	357,000	12,300
1963	2,400	3,600	200	12,600	1,773,600	71,000
1964	300	500	negl.	16,900	2,432,900	109,300
1965	-	-	-	16,500	2,924,200	117,000
1966	-	-	-	23,200	3,469,100	138,800
1967	43,700	436,700	17,500	79,400	11,110,100	445,300
1968	8,600	85,700	3,400	168,200	25,551,100	1,037,300

Year	QUARTZ AND QUARTZITE			SAND, GRAVEL, STONE AND ROCK		
	Tons	Value	Royalty	Tons	Value	Royalty
1958	86,000	$260,000	$6,000	271,100	$340,900	$19,200
1959	37,000	112,600	2,600	323,500	394,300	23,700
1960	61,600	184,700	4,300	207,000	263,800	14,400
1961	63,200	180,400	4,400	87,400	87,300	4,500
1962	-	-	-	32,600	31,000	2,200
1963	5,500	7,200	400	27,800	27,200	1,900
1964	10,700	13,900	700	20,100	20,100	1,400
1965	50,300	161,900	3,500	1,400	1,400	100
1966	12,000	3,000	800	4,400	5,500	400
1967	-	-	-	-	-	-
1968	21,400	86,900	5,600	-	-	-

a/ Does not include common varieties of sand, stone, gravel, pumice, pumicite, cinders and clay

Source: Mineral Production, Royalty Income and Related Statistics, USGS, Conservation Division, 1968.

Table D-7 Royalty Assessment for Nonfuel Minerals Removed from Acquired Lands, 1958-68 a/ (Contid.)

Year	PHOSPHATE		
	Tons	Value	Royalty
1958	3,500	$15,800	$ 800
1959	7,600	22,300	1,300
1960	5,300	15,500	900
1961	6,300	15,200	1,000
1962	4,500	13,800	800
1963	4,800	15,400	900
1964	3,200	7,400	500
1965	4,400	10,100	700
1966	2,100	4,900	300
1967	1,100	2,600	200
1968	400	1,000	100

Year	ALL NON-FUEL MINERALS - TOTAL	
	Value ($1,000)	Royalty ($1,000)
1958	2,098	64
1959	1,310	44
1960	1,232	48
1961	1,518	55
1962	771	31
1963	2,046	82
1964	2,994	120
1965	3,270	127
1966	3,846	152
1967	11,855	513
1968	28,111	1,163

Table D-8 Mineral Patent Applications Adjudicated and Patents Issued by States, 1959-68

State and Item	Fiscal Years 1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Alaska:										
Unclosed cases beginning	10	13	22	26	28	26	24	13	7	4
New & react. cases in year	3	14	4	9	11	11	10	1	0	2
Cases closed during year	1	5	0	7	13	13	21	7	3	0
Patents issued during year a/	(0)	(1)	(0)	(1)	(3)	(6)	(4)	(2)	(2)	(0)
Unclosed cases ending	12	22	26	28	26	24	13	7	4	6
Arizona:										
Unclosed cases beginning	33	40	81	87	92	70	59	58	55	52
New & react. cases in year	31	61	45	48	26	25	26	15	14	12
Cases closed during year	24	20	40	43	48	40	27	18	17	12
Patents issued during year	(6)	(15)	(36)	(26)	(24)	(15)	(5)	(11)	(8)	(4)
Unclosed cases ending	40	81	86	92	70	55	58	55	52	52
California:										
Unclosed cases beginning	131	127	138	133	109	85	77	83	77	63
New & react. cases in year	24	29	40	41	20	29	29	17	10	21
Cases closed during year	16	26	45	66	45	37	23	24	19	19
Patents issued during year	(10)	(8)	(11)	(13)	(18)	(15)	(8)	(4)	(7)	(12)
Unclosed cases ending	129	130	133	108	84	77	83	76	78	65
Colorado:										
Unclosed cases beginning	80	73	86	114	63	64	63	105	58	55
New & react. cases in year	32	34	46	36	19	18	53	66	9	2
Cases closed during year	39	21	18	87	18	21	13	31	12	5
Patents issued during year	(11)	(5)	(7)	(12)	(1)	(4)	(3)	(1)	(0)	(1)
Unclosed cases ending	73	86	114	63	64	61	103	140	55	52
Idaho:										
Unclosed cases beginning	37	36	20	28	20	13	19	27	24	22
New & react. cases in year	9	4	11	9	6	10	13	9	8	3
Cases closed during year	10	20	6	14	13	4	5	12	10	10
Patents issued during year	(6)	(14)	(3)	(12)	(9)	(2)	(4)	(9)	(5)	(7)
Unclosed cases ending	36	20	25	20	13	19	27	24	22	15
Montana:										
Unclosed cases beginning	48	54	27	30	23	18	32	20	18	11
New & react. cases in year	32	5	4	13	2	9	5	1	0	4
Cases closed during year	26	25	6	20	7	3	17	3	7	1
Patents issued during year	(5)	(10)	(2)	(3)	(4)	(2)	(4)	(0)	(7)	(1)
Unclosed cases ending	54	34	25	23	18	24	20	18	11	14
Nevada:										
Unclosed cases beginning	24	29	26	28	20	11	22	27	25	28
New & react. cases in year	10	8	20	7	2	18	9	7	9	4
Cases closed during year	15	11	18	15	11	7	3	9	6	4
Patents issued during year	(7)	(2)	(9)	(10)	(9)	(2)	(6)	(5)	(4)	(5)
Unclosed cases ending	29	26	28	20	11	22	28	25	28	28
New Mexico:										
Unclosed cases beginning	21	29	25	23	15	9	9	15	11	13
New & react. cases in year	13	5	3	5	1	3	10	3	5	3
Cases closed during year	5	9	8	13	7	3	4	7	3	9
Patents issued during year	(2)	(9)	(4)	(3)	(3)	(1)	(2)	(6)	(3)	(5)
Unclosed cases ending	29	25	20	15	9	9	15	11	13	7

State and Item	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Oregon:										
Unclosed cases beginning	71	66	59	52	52	34	18	14	7	6
New & react. cases in year	8	19	22	14	9	22	3	1	1	1
Cases closed during year	15	18	29	25	16	38	7	8	2	2
Patents issued during year	(13)	95)	(4)	(5)	95)	(2)	(2)	(1)	(1)	(1)
Unclosed cases ending	64	67	52	41	34	18	14	7	6	5
Utah:										
Unclosed cases beginning	32	21	18	11	9	4	4	11	12	13
New & react. cases in year	10	8	11	3	0	10	9	4	7	4
Cases closed during year	21	11	18	5	5	10	2	3	6	3
Patents issued during year	(14)	(4)	(6)	(3)	(5)	(0)	(1)	(1)	(1)	(0)
Unclosed cases ending	21	18	11	9	4	4	11	12	13	14
Washington:										
Unclosed cases beginning	20	21	16	18	9	11	9	4	3	4
New & react. cases in year	3	1	7	0	5	2	1	1	2	3
Cases closed during year	2	6	5	9	3	4	6	2	1	3
Patents issued during year	(1)	(3)	(4)	(2)	(1)	(2)	(3)	(0)	(0)	(0)
Unclosed cases ending	21	16	18	9	11	9	4	3	4	4
Wyoming:										
Unclosed cases beginning	68	161	139	164	114	99	45	47	43	58
New & react. cases in year	101	65	58	36	18	6	14	4	19	3
Cases closed during year	34	87	57	113	33	59	12	8	4	6
Patents issued during year	(31)	(87)	(52)	(38)	(12)	(10)	(10)	(1)	(0)	(6)
Unclosed cases ending	161	139	140	87	99	46	47	43	58	55
Arkansas:										
Unclosed cases beginning	1	7	2	2	0	0	2	0	0	0
New & react. cases in year	6	0	0	0	0	2	0	0	0	0
Cases closed during year	1	3	3	2	0	0	2	0	0	0
Patents issued during year	(0)	(2)	(1)	(2)	(0)	(0)	(2)	(0)	(0)	(0)
Unclosed cases ending	6	4	5	0	0	2	0	0	0	0
South Dakota:										
Unclosed cases beginning	b/	b/	7	b/	b/	b/	2	3	5	4
New & react. cases in year	b/	b/	1	b/	b/	b/	2	2	0	0
Cases closed during year	b/	b/	3	b/	b/	b/	1	0	1	0
Patents issued during year	(7)	(3)	(0)	(0)	(1)	(0)	(0)	(0)	(1)	(0)
Unclosed cases ending	b/	b/	5	b/	b/	b/	3	5	4	4
Total United States:										
Unclosed cases beginning	586	677	666	713	543	444	385	427	345	333
New & react. cases in year	308	253	272	221	119	165	184	131	84	62
Cases closed during year	219	262	256	419	219	239	143	132	91	74
Patents issued during year	(110)	(168)c/	(139)d/	(130)	(95)	(61)	(54)	(41)	(39)	(42)
Unclosed cases ending	675	668	688	515	443	370	426	426	338	321

a/ "Patents issued during year" include millsite patents for all years except 1959.
b/ South Dakota statistics included in Montana totals.
c/ Two patents not identified by state are included.
d/ One patent not identified by State is included.

Note: 1. Column items that do not correspond between years are due to adjustments and corrections.
2. Time slippage may occur between patents granted under "Cases Closed" row and actual "Patents Issued" row.
3. In some cases, more than one patent may be granted and issued from a single case in adjudication.
4. "Patents Issued" shown in () are included in the total number of "Cases Closed" and subject to notes 2 & 3 above.

Source: Series of Annual "Public Land Statistics, Bureau of Land Management, Department of the Interior.

Table D-9 Rental and Royalty Rates for Nonfuel Minerals on Public Lands

Type of Mineral	Method of Disposal	Rental	Royalty	Acreage Limitations	Applicable Legis. & Regul.
Potassium (Potash)	Prospecting Permit	25¢ per acre, but not less than $20 per year.	12½ % of gross value of potassium at P.O.S. a/	51,200 acres	30 USC 281-287 30 CFR 231 43 CFR 3140
	Preferance Right Lease	25¢ for 1st yr; 50¢ for 2nd thru 5th yr. and $1 from 6th year on. All per acre.	Not less than 2% of quantity or gross value of output at P.O.S.	25,600 acres	
	Competitive Lease	Same as Preference Right Lease	Same as Preference Right Lease	25,600 acres	
	Non-Competitive Lease	None	Cash bonus of $15 per acre or 1¢ per mine run ton in addition to prod. royalty which shall be equal to adjoining lease but not less than 5% of gross value at P.O.S.	2,560 acres (fringe acreage)	
Sodium	Prospecting Permit	25¢ per acre per annum	12½ % of gross value at P.O.S.	2,560 acres/permit 5,120 acres/state 15,360 acres on special circumstances	30 USC 261 43 CFR 3150 30 CFR 231
	Preference Right Lease	25¢ for 1st yer., 50¢ 2nd thru 5th yr. $1 for 6th yr. and on. All on per acre basis.	Not less than 2% of quantity or gross value at P.O.S.	Same as permit	
	Competitive Lease	Same as Preference Lease	Same as Pref. Lease	Same as for Permits	
	Use Permit (comp. site)	Not less than $1 per acre	--	40 acres	
Phosphate	Prospecting Permit	25¢ per acre per annum, but not less than $20.	12½ % of gross value at P.O.S.	20,480 acres	30 USC 211-214 43 CFR 3160 30 CFR 231
	Preference Right Lease	25¢ per acre 1st yr; 50% per acre 2nd & 3rd yers; $1 per acre 4th yr. on.	Not less than 5% of gross value at P.O.S.	Same as for permit	
	Competitive Lease	Same as above	Same as above	Same as above	
	Fringe acreage	$1 per acres bonus in lieu of rental	On individual case basis	2,560 acres	43 CFR 3161.1
Sulphur (Louisiana and New Mexico only)	Prospecting Permit	25¢ per acre, but not less than $20 per year.	12½ % of gross at P.O.S.	3 permits of 640 acres ea. in any State.	30 USC 271-278 43 CFR 3180 30 CFR 231
	Preference Right Lease	50¢ per acre per annum	5% of quantity or gross value at P.O.S.	Same as for Permit	
	Competitive Lease	Same as above	Same as above	Same as for Permit	

Table D-9 Rental and Royalty Rates for Nonfuel Minerals on Public Lands (cont'd.)

Type of Mineral	Method of Disposal	Rental	Royalty	Acreage Limitations	Applicable Legis. & Regul.
Locatable Minerals (All minerals not included in Mineral Leasing Act of 1920 or "common varieties under Material Sales Act.)	Lode Claim	Payment for land at rate of $5 per acre	None	Lode location: a parallelogram max. 1,500 ft. long by 600 ft. wide may be restricted by local or State laws	30 USC 29 43 CFR 3450
	Mill Site	Payment for land at rate of $5 per acre for lode site and $2.50 per acre for placer site.	None	5 acres/mill site	30 USC 42 43 CFR 3460 43 CFR 42(b)
	Placer Claim	Payment for land at rate of $2.50 per acre	None	20 acres/each individual claimant or 160 acres per association of individuals	30 USC 37 43 CFR 3470
Mineral Materials ("Common Varieties")	Competitive or Negotiated Sales.	Sale at not less than appraised value	None		30 USC 601-et seq

a/ P.O.S. means point of shipment.

Source: Special Study, Department of the Interior, Pricing and Disposal of Federally Owned Mineral Resources, 1966.

Section E - Energy Fuels

The known land surface acreage that is underlain by each of the energy fuels, for which data are available, and that part which is leased by the Federal Government are shown.

As in the case of nonfuel minerals, one table shows the acreage of energy fuel interests reserved to the United States on land patented for other purposes.

Royalty determinations by the Geological Survey are shown for all energy fuels on public domain and acquired land.

Total receipts collected from energy fuel disposal on public lands from all sources including bonuses, rents, and fees as well as royalties are listed in a table. They are shown for each State and include a national total for 1968. The national totals for a series of years, 1950, 1955, 1960, 1965 through 1968 are shown with the receipts from the OCS added to the dry land totals. For rental and royalty rates applicable to energy fuels, see the table in the Nonfuel Mineral section.

E - Energy Fuels

Table

E-1 Oil, Natural Gas, Coal, Oil Shale and Geothermal Resource Acreage on Federal Lands, by State, 1968

E-2 Patents Issued with Energy Fuels Reserved to the United States, through 1968, by State

E-3 Royalty Assessments for Energy Fuels Removed from Federal Lands, by State, 1968

E-4 Receipts from Energy Fuel Leases, Licenses, and Permits on Federal Lands, by State, 1968

E-5 Receipts from the Disposition of Oil, Gas and Coal on Federal Lands, 1950, 1955, 1960 and 1965-1968

Table E-1 Oil, Natural Gas, Coal, Oil Shale and Geothermal Resource Acreage on Federal Land, By States, 12/31/68

(1000 ACRES)

State	OIL AND GAS [a]			COAL	
	Underlain Acreage	Under Lease [c] On Land-Acres	OCS Acres	Underlain [f] Acreage	Under Lease [c] Or Permit-Acres
Alabama	28	-		6,208	.4
Alaska	6,818	-		22,400	20.6
Arizona	492	-		1,946	-
Arkansas	406	-		1,088	9.6
California	930 [d]	365		147	[e]
Colorado	5,217	-		18,944	173.6
Florida	156	-		-	-
Georgia	-	-		109	-
Idaho	83	-		320	-
Illinois	26	-		24,128	-
Indiana	3	-		4,160	-
Kansas	74	-		12,032	-
Kentucky	71	-		9,344	-
Louisiana	401	3,302		870	-
Maine	-	-		-	-
Maryland	9	-		282	-
Michigan	171	-		7,424	-
Minnesotta	-	-		-	-
Mississippi	875	-		640	-
Missouri	[e]	-		15,808	-
Montana	8,339	-		32,832	48.2
Nebraska	122	-		192	-
Nevada	2,361	-		32	-
New Hampshire	-	-		-	-
New Mexico	7,237	-		9,376	120.3
New York	2	-		6	-
North Carolina	-	-		99	-
North Dakota	1,216	-		20,480	21.5
Ohio	16	-		6,400	-
Oklahoma	299	-		9,312	120.2
Oregon	39	12		384	5.4
Pennsylvania	5	-		9,600	-
South Dakota	1,350	-		4,928	-
Tennessee	-	-		2,944	-
Texas	199	634		10,304	-
Utah	7,237	-		9,600	307.3
Virginia	47	-		1,242	-
Washington	1	17		736	.3
West Virginia	171	-		10,752	-
Wisconsin	-	-		-	-

NOT KNOWN

State	OIL SHALE b/		GEOTHERMAL g/		OIL AND GAS	
	Underlain Acreage	Federal Oil Shale Acres	Prospectively b/ Valuable Acres	Known to be i/ Valuable-Acrea	Producing Leases-Land Acres	Producing Leases-OCS Acres
Alabama	-	-	-	-	e/	-
Alaska	-	-	-	-	71	-
Arizona	-	-	1,694	-	e/	-
Arkansas	-	-	-	-	6	-
California	-	-	16,324	838.4	87	13
Colorado	1,820	1,420	2,002	-	433	-
Florida	-	-	-	-	-	-
Georgia	-	-	-	-	-	-
Idaho	-	-	14,102	16.0	-	-
Illinois	-	-	-	-	-	-
Indiana	-	-	-	-	e/	-
Kansas	-	-	-	-	55	-
Kentucky	-	-	-	-	4	-
Louisiana	-	-	-	-	35	2,120
Maine	-	-	-	-	-	-
Maryland	-	-	-	-	5	-
Michigan	-	-	-	-	2	-
Minnesotta	-	-	-	-	-	-
Mississippi	-	-	-	-	47	-
Missouri	-	-	-	-	-	-
Montana	-	-	6,226	17.9	189	-
Nebraska	-	-	-	-	1	-
Nevada	-	-	13,200	38.4	3	-
New Hampshire	-	-	-	-	-	-
New Mexico	-	-	7,414	140.2	2,054	-
New York	-	-	-	-	-	-
North Carolina	-	-	-	-	-	-
North Dakota	-	-	-	-	50	-
Ohio	-	-	-	-	4	-
Oklahoma	-	-	-	-	50	-
Oregon	-	-	14,432	-	-	-
Pennsylvania	-	-	-	-	3	-
South Dakota	-	-	-	-	e/	-
Tennessee	-	-	-	-	-	-
Texas	-	-	-	-	11	11
Utah	4,880	3,780	4,554	-	391	-
Virginia	-	-	-	-	2	-
Washington	-	-	5,236	-	-	-
West Virginia	-	-	-	-	49	-
Wisconsin	-	-	-	-	-	-
Wyoming	4,270	2,670	748 j/	j/	1,020	-
Total	10,970	7,870	85,932	1,050.9	4,573	2,144

Table E-1 Oil, Natural Gas, Coal, Oil Shale and Geothermal Resource Acreage on Federal Land, By States, 12/31/63

Columns may not add exactly due to rounding.

a/ Oil and Gas includes crude oil, natural gasoline, condensate, LPG, and natural gas.
b/ Oil shale lands withdrawn from leasing. Data adapted from U.S. Department of the Interior report, "Prospects for Oil Shale Developme
c/ Leases under supervision of USGS, both active and inactive.
d/ Includes Naval Pet. Reserve of 9,227 acres.
e/ Less than 500 acres.
f/ "Coal Resources of the U.S., Jan. 1, 1967", USGS, Bulletin 1275.
g/ Department of the Interior News Release dated March 29, 1967.
h/ Originally segregated from leasing.
i/ Revised area withdrawn and reduced from previous segregation.
j/ Excludes Yellowstone National Park.

Source: Oil and Gas and Coal Data from Mineral Production, Royalty Income and Related Statistics; USGS, Conservation Division.

Table E-2 Patents Issued with Energy Fuels Reserved to the United States, Through 1968

State	Type of Mineral Reservation				
	All Minerals	Coal	Oil and Gas	Oil and Gas Plus Other Minerals	Total
Through 1948	Acres	Acres	Acres	Acres	Acres
Alaska	6,501	10,823	1,095	773	19,192
Alabama	4,412	63,586	9,563	2,889	80,450
Arizona	2,547,517	4,403	27,497	-	2,579,417
Arkansas	1,107	1,520	15,043	40	17,710
California	2,352,070	3,005	156,783	23	2,511,881
Colorado	4,271,042	1,348,288	215,423	38,494	5,873,247
Florida	1,154	-	2,304	520	3,978
Idaho	1,291,163	11,749	4,940	216,060	1,523,912
Illinois	634	120	-	-	754
Iowa	359	-	-	-	359
Kansas	54,384	-	1,421	-	55,805
Louisiana	1,223	-	17,105	3,844	22,172
Michigan	1,935	-	3,261	-	5,196
Minnesota	235	-	-	-	235
Mississippi	974	-	10,231	-	11,205
Missouri	166	-	-	-	166
Montana	3,993,640	6,658,554	987,472	17,788	11,657,454
Nebraska	72,964	-	3,253	-	76,217
Nevada	242,717	960	1,119	80	244,876
New Mexico	6,378,118	614,779	112,995	70,673	7,176,565
North Dakota	134,578	4,636,851	11,915	1,164	4,784,508
Ohio	38	-	-	-	38
Oklahoma	48,781	-	10,917	-	59,698
Oregon	1,639,742	5,598	14,369	480	1,660,189
South Dakota	1,565,802	187,722	6,328	-	1,759,852
Utah	856,083	215,528	98,922	8,157	1,178,690
Washington	262,444	14,535	2,518	384	279,881
Wisconsin	1,546	-	-	-	1,546
Wyoming	9,541,179	2,297,363	376,906	17,341	12,232,789
Total Through 1948	35,272,508	16,075,384	2,091,380	378,710	53,817,982
Fiscal Years 1949-1950	363,466	24,868	18,287	7,662	414,283
Fiscal Years 1951-1960	1,258,347	64,204	650,841	109,323	2,082,715
Fiscal Year 1961	45,720	958	121,830	21,483	189,991
Fiscal Year 1962	80,285	1,416	147,792	16,119	230,633
Fiscal Year 1963	98,006	884	109,283	37,164	215,061
Fiscal Year 1964	81,842	496	109,799	55,461	193,854
Fiscal Year 1965	177,358	3,994	90,394	79,717	351,463
Fiscal Year 1966	321,243	24,495	88,161	95,576	529,475
Fiscal Year 1967	284,683	1,854	68,466	54,754	409,757
Fiscal Year 1968	384,256	2,968	48,862	70,296	506,382
Grand Total	38,367,714	16,201,521	3,545,095	926,265	59,040,595

Note: Data prior to 1949 tabulated from incomplete records; data after 1948 not maintained by States.

Source: Public Land Statistics, 1968, Bureau of Land Management, Department of Interior

Table E-3 Royalty Assessments For Energy Fuels Removed From Federal Lands, By States, 1968

State	PUBLIC DOMAIN											
	OIL			NATURAL GAS			GASOLINE & LPG			COAL		
	Production 1,000 Bbls	Value $1,000	Royalty $1,000	Production MMCF [b]	Value $1,000	Royalty $1,000	Production 1,000 Gal.	Value $1,000	Royalty $1,000	Production 1,000 S. Tons	Value $1,000	Royalty & Other $1,000 [d]
Alabama	7	21	3	-	-	-	-	-	-	134	620	20
Alaska	13,621	41,720	5,215	33,181	5,875	527	183	17	1	259	1,566	41
Arizona	-	-	-	8 [c]	3	2	-	-	-	-	-	-
Arkansas	1	2	[e]	54	9	1	[e]	[e]	[e]	-	-	-
California	21,283	47,280	5,450	24,247	7,240	809	55,965	3,674	205	-	-	[e]
Colorado	12,154	35,979	5,239	45,334	6,322	707	35,346	1,535	54	1,897	13,277	306
Kansas	594	1,727	216	9,882	1,263	158	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana	1,700 [a]	5,400 [a]	680 [a]	12,219	2,308	270	3,084	136	16	-	-	-
Maryland	-	-	-	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	[e]	-	-	-	-	-	-
Mississippi	200	584	73	3	1	[e]	-	-	-	-	-	-
Montana	14,065	36,830	4,858	5,322	361	35	10,289	421	19	94	257	11
Nebraska	[e]	[e]	[e]	-	-	-	-	-	-	-	-	-
Nevada	269	430	54	-	-	-	-	-	-	-	-	-
New Mexico	35,727	101,616	12,697	628,327	88,492	11,039	170,791	11,472	531	27	97	5
North Dakota	1,125	2,848	299	601	36	4	-	-	-	675	1,258	87
Ohio	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma	335	1,026	121	12,491	1,949	244	979	75	7	144	1,192	77
Oregon	-	-	-	-	-	-	-	-	-	[e]	11	1
Pennsylvania	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	6	13	2	-	-	-	-	-	-	-	-	-
Texas	-	-	-	-	-	-	-	-	-	-	-	-
Utah	11,375	28,792	3,600	26,616	3,835	477	57,656	2,817	118	1,723	8,726	300
West Virginia	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	90,946	232,098	30,592	143,908	19,234	2,292	135,830	5,332	207	2,032	13,087	228
Total	203,409	536,366	69,099	942,193	136,927	16,566	470,124	25,478	1,158	6,986	40,092	1,075

State	ACQUIRED LAND [f]								
Alabama	14	40	5	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Arizona	-	-	-	-	-	-	-	-	-
Arkansas	4	9	1	226	39	5	1	[e]	[e]
California	1,519	3,866	487	5,741	1,819	547	-	-	-
Colorado	35	105	13	52	6	1	34	1	[e]
Kansas	82	244	47	2,353	416	50	3	[e]	[e]
Kentucky	-	-	-	33	4	1	-	-	-
Louisiana	3,944	12,499	1,166	10,006	2,137	800	-	-	-
Maryland	-	-	-	347	92	11	-	-	-
Michigan	30	89	12	28	7	1	-	-	-
Mississippi	3,831	11,129	1,393	2,222	494	61	[e]	[e]	[e]
Montana	124	346	43	4	[e]	[e]	-	-	-
Nebraska	4	11	1	32	4	[e]	-	-	-
Nevada	-	-	-	-	-	-	-	-	-
New Mexico	2	6	1	60	9	1	-	-	-
North Dakota	1,528	3,954	473	2,249	156	19	86	4	[e]
Ohio	2	8	1	170	45	6	-	-	-
Oklahoma	61	183	25	1,038	156	20	1	[e]	[e]
Oregon	-	-	-	-	-	-	-	-	-
Pennsylvania	-	-	-	52	14	2	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-
Texas	50	145	16	568	78	8	464	8	1
Utah	-	-	-	-	-	-	-	-	-
West Virginia	-	-	-	11	3	[e]	-	-	-

Table E-3 Royalty Assessments For Energy Fuels Removed From Federal Lands, By States, 1968 (Cont'd.)

	MILITARY, NAVAL RESERVES & MISC. LANDS f/ g/									ALL LANDS - ALL PRODUCTS	
										Value $1,000	Royalty $1,000
Alabama	-	-	-	-	-	-	-	-	-	681	28
Alaska	-	-	-	-	-	-	-	-	-	49,178	5,787
Arizona	-	-	-	-	-	-	-	-	-	3	?
Arkansas	-	-	-	-	-	-	-	-	-	59	9
California	2,755 h/	7,567	1,027	5,171 h/	1,524	204	13,290 h/	846	46	73,816	8,775
Colorado	-	-	-	-	-	-	-	-	-	57,225	6,320
Kansas	-	-	-	-	-	-	-	-	-	3,650	471
Kentucky	138	420	63	-	-	-	-	-	-	474	64
Louisiana	691	2,092	339	28,340	3,942	670	33,272	1,718	291	30,232	1,632
Maryland	-	-	-	-	-	-	-	-	-	92	11
Michigan	-	-	-	-	-	-	-	-	-	96	14
Mississippi	-	-	-	-	-	-	-	-	-	12,709	1,527
Montana	-	-	-	-	-	-	-	-	-	38,215	4,966
Nebraska	2	5	1	209	21	3	-	-	-	41	5
Nevada	-	-	-	-	-	-	-	-	-	430	54
New Mexico	-	-	-	-	-	-	-	-	-	201,699	24,777
North Dakota	-	-	-	-	-	-	-	-	-	8,256	977
Ohio	-	-	-	-	-	-	-	-	-	53	7
Oklahoma	5	14	2	119	19	3	-	-	-	4,614	499
Oregon	-	-	-	-	-	-	-	-	-	11	1
Pennsylvania	-	-	-	-	-	-	-	-	-	14	?
South Dakota	-	-	-	-	-	-	-	-	-	13	?
Texas	230	742	123	3,687	360	60	3,141	168	28	1,501	236
Utah	-	-	-	-	-	-	-	-	-	44,170	4,495
West Virginia	-	-	-	-	-	-	-	-	-	3	-
Wyoming	-	-	-	-	-	-	-	-	-	270,188	33,377
Total	3,821	10,840	1,555	34,526	5,865	941	49,703	2,732	365	796,872	95,439

a/ Estimated due to adjustments made relative to Burrwood Area Compromise.
b/ MMCF means millions of cubic feet
c/ Helium gas
d/ "Royalty and Other" includes rentals and fees.
e/ Less than 500 units.
f/ No coal produced
g/ Outer Continental Shelf values are not included.
h/ All production from Naval Petroleum Reserves.

Source: Mineral Production, Royalty Income and Related Statistics, USGS, Conservation Division, 1968.

Note: Totals may not add exactly due to rounding.

Table E-4 Receipts from Energy Fuel Leases, Licenses, and Permits on Federal Lands, 1968
($1000)

	Public Domain			Acquired Lands			Total -- All Lands a/		
	Oil and Gas	Coal	Total	Oil and Gas	Coal	Total	Oil and Gas	Coal	Total
Alabama	10	9	19	1	-	1	11	9	20
Alaska	8,721	42	8,763	-	-	-	8,721	42	8,763
Arizona	263	-	263	b/	-	b/	263	-	263
Arkansas	271	-	271	146	-	146	417	-	417
California	7,322	b/	7,322	595	-	595	7,917	b/	7,917
Colorado	9,058	405	9,463	64	-	64	9,122	405	9,527
Florida	1	-	1	16	-	16	17	-	17
Idaho	22	-	22	b/	-	b/	22	-	22
Illinois	b/	-	b/	13	-	13	13	-	13
Indiana	-	-	-	b/	-	b/	b/	-	b/
Kansas	427	-	427	66	-	66	493	-	493
Kentucky	70 c/	-	70 c/	35	17	52	105	17	122
Louisiana	2,415	-	2,415	1,703	-	1,703	4,118	-	4,118
Maryland	-	-	-	12	-	12	12	-	12
Michigan	5	-	5	135	-	135	140	-	140
Mississippi	72	-	72	1,890	-	1,890	1,962	-	1,962
Missouri	b/	-	b/	3	-	3	3	-	3
Montana	6,861	536	7,397	529	-	529	7,390	536	7,926
Nebraska	18	-	18	9	-	9	27	-	27
Nevada	930	-	930	b/	-	b/	930	-	930
New Mexico	26,303	75	26,378	14	-	14	26,317	75	26,392
North Dakota	528	102	630	930	-	930	1,458	102	1,560
Ohio	-	-	-	12	-	12	12	-	12
Oklahoma	601	110	711	88	-	88	689	110	799
Oregon	2	5	7	3	-	3	5	5	10
Pennsylvania	-	-	-	6	-	6	6	-	6
South Dakota	463	-	463	12	-	12	475	-	475
Texas	296 c/	-	296 c/	97	-	97	393	-	393
Utah	7,412	428	7,840	13	-	13	7,425	428	7,853
Virginia	-	-	-	25	b/	25	25	b/	25
Washington	b/	b/	b/	-	-	-	b/	b/	b/
West Virginia	-	-	-	128	-	128	128	-	128
Wyoming	39,444	2,276	41,720	135	-	135	39,579	2,276	41,855
Total	111,515	3,987	115,502	6,681	17	6,698	118,196	4,004	122,200

a/ Total receipts from Public Domain and Acquired Lands.
b/ Less than $500.

c/ Protective leases on acquired land initially under control of the military

Source: Public Land Statistics, 1968, Bureau of Land Management, Department of the Interior

Table E-5 Receipts from the Disposition of Oil, Gas and Coal on Federal Lands, 1950, 55, 60, 65-68

Item	1950	1955	1960	1965	1966	1967	1968
				(1,000 dollars)			
OIL & GAS:							
1. Public Domain:							
a. Royalty, fees & bonuses	26,682	59,955	85,915	109,332	108,223	109,784	111,515
2. Acquired Lands:							
a. Royalty, fees & bonuses	354	2,172	3,155	4,516	6,635	5,510	6,681
3. Outer Continental Shelf a/							
a. Royalty	0	0	2,840	11,246	86,424	41,108	57,935
b. Bonuses & Rentals	0	142,405	226,617	42,224	161,893	596,203	903,331
Total	0	142,405	229,457	53,470	248,317	637,311	961,266
COAL:							
1. Public Domain:							
a. Royalty, fees & bonuses	787	894	746	1,119	1,918	2,148	3,987
2. Acquired Lands:							
a. Royalty, fees & bonuses	13	15	6	30	27	19	17
Grand Total: Fuels	27,836	205,441	319,279	168,467	365,120	754,772	1,083,466

a/ Sulphur & Salt included, but are minor compared to oil and gas.

Source: Public Land Statistics, Annuals, Bureau of Land Management, U.S. Department of the Interior.

Section F - Outer Continental Shelf

Activity on the Outer Continental Shelf is wholly under jurisdiction of the Federal Government and mineral disposal is administered by the Department of the Interior. All minerals on or below the shelf are leasable and the same agency responsibilities apply here as elsewhere under the leasing system. To date, the only mineral production from the OCS has been oil and gas with small amounts of sulphur and salt. All recovery of minerals has been from wells beneath the sea. Status of wells, leases under supervision of the USGS, and those that are presently producing is shown.

The production and value of minerals on the OCS are listed for a time series, 1954 through 1968. Assessments (royalty, rental and bonus charges) on the mineral production are also depicted with data segregated by offshore States for the same period.

Receipts for mineral production on the OCS are shown for the period 1954 through 1968. Payments held in escrow on the disputed zones are also shown.

F - Outer Continental Shelf

Table

F-1 Outer Continental Shelf Well Status, 1954-68

F-2 Leases, Under Supervision and Producing on the Outer Continental Shelf, 1954-68

F-3 Outer Continental Shelf Mineral Production and Value, 1954-1968

F-4 Assessments on Mineral Production from the Outer Continental Shelf, by States, 1962-68

F-5 Receipts from Mineral Leases and Permits on the Outer Continental Shelf, 1954-68

75

Table F-1 Outer Continental Shelf Well Status, 1954-68

Year	New Wells Drilling Act.	New Wells Drilling Susp'd	Wells Completed	PRODUCIBLE ZONES Active Oil	Active Gas	Shut-In Oil	Shut-In Gas	Total Act. & Shut-In	Serv. Inp.-Disp.	All Other Wells Not P&A	Wells P&A	Total Wells
OIL & GAS												
1954	27	-	130	50	20	15	45	130	-	-	104	261
1955	41	-	239	117	29	31	62	239	-	-	175	455
1956	76	-	357	195	32	41	89	357	-	-	261	694
1957	61	17	588	330	31	83	144	588	-	-	402	1,068
1958	35	21	795	487	74	80	154	795	-	-	485	1,336
1959	40	31	1,461	864	173	245	179	1,461	-	-	569	2,101
1960	58	53	1,923	1,138	210	326	249	1,923	-	-	686	2,720
1961	54	99	2,467	1,463	240	429	335	2,467	-	-	814	3,434
1962	56	107	3,091	1,863	333	513	382	3,091	-	-	1,002	4,256
1963	62	130	3,631	2,237	397	584	413	3,631	-	-	1,226	5,049
1964	73	193	4,313	2,708	417	622	486	4,233	80	102	1,372	6,053
1965	89	261	4,733	3,068	516	687	462	4,733	-	-	1,685	6,768
1966	82	-	3,305	3,588	660	747	504	5,499	35	444	1,871	5,702
1967	95	-	3,762	4,080	870	759	507	6,216	60	496	2,233	6,586
1968	133	-	4,258	4,483	1,040	908	578	7,009	91	592	2,592	7,575
By State, 1968												
California	9	-	26	2	-	2	-	26	-	4	51	90
Florida	-	-	-	-	-	-	-	-	-	-	3	3
Louisiana	117	-	4,147	4,428	956	903	569	6,856	91	576	2,425	7,265
Oregon	-	-	-	-	-	-	-	-	-	-	8	8
Texas	7	-	85	31	84	3	9	127	-	12	101	205
Washington	-	-	-	-	-	-	-	-	-	-	4	4
TOTAL OCS	133	-	4,258	4,483	1,040	908	578	7,009	91	592	2,592	7,575
SALT & SULPHUR												
Louisiana												
Salt	-	-	3	2		1		3	-	-	-	3
Sulphur	4	-	67	44		9		53	14	2	23	96

Source: Mineral Production, Royalty Income and Related Statistics, 1968, USGS, Conservation Division.

Table F-2 Leases, Under Supervision and Producing on the Outer Continental Shelf, 1954 - 68

Year	Leases Under Supervision		Producing Leases, O & G	
	Number	Acres	Number	Acres
1954	478	-	58	-
1955	606	2,351,732	108	-
1956	557	-	171	-
1957	416	-	213	-
1958	387	-	230	-
1959	384	1,465,106	272	-
1960	464	1,968,820	293	-
1961	457	1,924,753	309	-
1962	846	3,685,487	326	-
1963	881	3,880,562	338	-
1964	975	4,365,921	369	-
1965	931	4,120,417	419	-
1966	927	4,024,183	482	-
1967	842	3,544,829	519	-
1968	1,006	4,329,441	531	2,144,237
By States for 1968				
Off California	72	365,177	3	13,156
Off Louisiana	794	3,301,732	518 a/	2,119,651 a/
Off Oregon	2	11,520	-	-
Off Texas	135	633,734	10	11,430
Off Washington	3	17,278	-	-
Total OCS, 1968	1,006	4,329,441	531	2,144,237

a/ Does not include 5 sulphur leases, 6,953 acres; 2 salt leases, 2,500 acres.

Source: Mineral Production, Royalty Income and Related Statistics, 1968, Geological Survey, Conservation Division

Table F-3 Outer Continental Shelf Mineral Production and Value, 1954-1968

Year	OIL		NATURAL GAS		SULPHUR		SALT (NaCl)	
	Quantity (1000 Barrels)	Value at Wellhead and Site ($1000)	Quantity (1000 MCF)	Value at Wellhead and Site ($1000)	Quantity (tons)	Value at Wellhead and Site ($1000)	Quantity (tons)	Value at Site ($1000)
1954	3,342	9,976	56,325	4,394	-	-	-	-
1955	6,705	19,943	81,279	7,118	-	-	-	-
1956	11,015	32,503	82,893	6,995	-	-	-	-
1957	16,070	53,564	82,574	7,508	-	-	-	-
1958	24,769	80,737	127,693	15,734	-	-	-	-
1959	35,698	113,069	207,156	37,403	-	-	-	-
1960	49,666	146,434	273,034	52,762	98,025	1,763	59,794	11
1961	64,330	201,673	318,280	64,616	401,521	7,253	528,581	95
1962	89,736	278,928	451,953	92,209	285,975	5,507	176,924	32
1963	104,579	332,966	564,353	106,784	552,573	11,070	262,951	47
1964	122,500	375,619	621,731	118,377	634,875	12,749	212,978	38
1965	144,969	443,806	645,589	126,978	1,090,950	23,387	290,804	52
1966	188,714	579,668	1,007,447	189,381	1,400,848	32,622	297,475	54
1967	221,862	682,180	1,187,216	227,694	1,409,276	37,291	274,422	49
1968	268,996	835,280	1,524,178	291,257	1,553,621	53,278	540,651	97

Source: 1968 U. S. Geological Survey Mineral Production, Royalty Income, and Related Statistics.
Disputed Zones' Production is included.

Table P-4 Assessments on Mineral Production from the Outer Continental Shelf, By States 1962-68

State	($1,000)							
	1962	1963	1964	1965	1966	1967	1968	Total Thru 1968 a/
Crude Oil, Condensate and Natural Gas								
California:								
Royalties	-	-	-	-	-	-	906	906
Bonuses	-	12,808	-	-	21,189	-	602,719	636,716
Rentals	-	939	939	818	569	35	1,090	4,388
Total	-	13,746	939	818	21,758	35	604,715	642,010
Florida:								
Royalties	-	-	-	-	-	-	-	-
Bonuses	-	-	-	-	-	-	-	1,712
Rentals	190	-	-	-	-	-	-	1,382
Total	190	-	-	-	-	-	-	3,094
Louisiana:								
Royalties	65,253	75,347	86,533	99,655	131,254	149,096	190,908	953,417
Bonuses	488,923	-	60,341	-	188,011	510,079	149,869	1,949,977
Rentals	7,707	7,059	6,736	5,605	4,736	5,501	5,276	64,745
Minimum Royalties	497	632	785	983	1,328	1,889	2,141	9,272
Shut-in Gas Payments	62	53	46	38	42	41	52	1,057
Total	562,443	83,092	154,440	106,281	325,371	666,606	348,246	2,978,468
Oregon:								
Royalties	-	-	-	-	-	-	-	-
Bonuses	-	-	27,769	-	-	-	-	27,769
Rentals	-	-	1,276	1,276	1,034	137	35	3,759
Total	-	-	29,045	1,276	1,034	137	35	31,528
Texas:								
Royalties	2	27	2	2	1,597	4,336	4,677	10,654
Bonuses	558	-	-	-	-	-	595,870	663,955
Rentals	502	424	369	337	3	244	1,727	7,214
Minimum Royalties	21	36	35	90	-	3	4	226
Total	1,083	487	406	429	1,600	4,583	602,278	682,049
Washington:								
Royalties	-	-	-	-	-	-	-	-
Bonuses	-	-	7,765	-	-	-	-	7,765
Rentals	-	-	466	466	363	52	52	1,399
Total	-	-	8,231	466	363	52	52	9,164
Total: OCS								
Royalties	65,255	75,374	86,535	99,657	132,851	153,432	196,491	964,977
Bonuses	489,481	12,808	95,875	-	209,200	510,079	1,348,458	3,287,894
Rentals	8,399	8,422	9,786	8,502	6,705	5,969	8,180	82,887
Minimum Royalties	518	668	820	1,073	1,328	1,892	2,145	9,498
Shut-in Gas Payments	62	53	46	38	42	41	52	1,057
Total	563,715	97,325	193,062	109,270	350,126	671,413	1,555,326	4,346,313
SALT								
Louisiana:								
Royalties	5	8	6	9	9	7	17	79
Bonuses	-	-	-	-	-	31	-	106
Rentals	-	-	-	-	-	8	-	15
Total OCS Salt	5	8	6	9	9	46	17	200
SULPHUR								
Louisiana:								
Royalties	836	1,617	1,859	3,198	4,129	4,168	4,629	21,891
Bonuses	-	-	-	-	-	-	-	1,234
Rentals	13	13	13	13	13	13	13	91
Total	849	1,630	1,872	3,211	4,142	4,181	4,642	23,216
Texas:								
Royalties	-	-	-	-	-	-	-	-
Bonuses	-	-	-	33,740	-	-	-	33,740
Rentals	-	-	-	216	151	220	39	626
Minimum Royalties	-	-	-	-	39	-	-	39
Total	-	-	-	33,956	190	220	39	34,405
ALL MINERALS & FUELS								
Grand Total: OCS								
Royalties	66,096	76,999	88,400	102,864	136,989	157,607	201,137	986,974
Bonuses	489,481	12,808	95,875	33,740	209,200	510,110	1,348,458	3,322,974
Rentals	8,412	8,435	9,799	8,731	6,869	6,210	8,232	83,619
Minimum Royalties	518	668	820	1,073	1,367	1,892	2,145	9,537
Shut-in Gas Payments	62	53	46	38	42	41	52	1,057
Total	564,569	98,963	194,940	146,446	354,467	675,860	1,560,024	4,404,161

Source: Mineral Production, Royalty Income and Related Statistics. 1968 U.S. Geological Survey, Department of the Interior.

a/ Totals thru 1968 include all assessments prior to 1962 which are not shown separately.

Data may not add exactly due to rounding.

Table F-5 Receipts From Mineral Leases and Permits On The Outer Continental Shelf, 1954-68

($1000)

Fiscal Year	Bonus & Rentals	Royalties	Total	Payments Held in Escrow *
1954	-	-	-	-
1955	142,405	-	142,405	12,217
1956	53,737	51	53,788	83,954
1957	1,976	232	2,208	10,970
1958	2,630	831	3,461	12,208
1959	1,146	2,266	3,412	20,418
1960	226,617	2,840	229,457	172,265
1961	1,716	5,589	7,305	43,763
1962	6,007	5,605	11,612	498,586
1963	359,370	7,444	366,814	-(229,540) a/
1964	5,871	10,620	16,491	135,905
1965	42,224	11,246	53,470	89,032
1966	161,893	86,424	248,317	-(39,552) b/
1967	596,203	41,108	637,311	148,130
1968	903,331	57,935	961,266	121,497
TOTAL	2,505,126	232,191	2,737,317	1,079,853

* Receipts held in escrow account pending court decision on ownership and rights.

a/ Negative entry resulting from accounting adjustment due to time period factor between 1962 and 1963.

b/ Negative entry resulting from Supplemental Decree in U.S. vs. Louisiana Supreme Court Original #9 declaring distribution of funds from Escrow account.

Source: Public Land Statistics Series
by Bureau of Land Management
Department of the Interior and
other BLM sources.

Section G - Water

The Commission water study focused primarily on the 11 Western States. Data are included from it to show the area of Public Land watershed, average annual water yield by Water Resources Region, by Federal land administering agency, and by State. State water use requirements by Water Resource Region are combined and shown along with stream sediment yield, water withdrawn for specific activities, and consumptive water use by Federal agencies and type of use by Water Resource regions. Population dependency upon water from public lands in the 11 Western States is also tabulated.

There are a total of twelve Government agencies which require water for various land uses in the various Water Resource regions of the 11 Western States. Data for comparison of these uses in 1967 are presented.

G - Water

Table

G-1 Area of Public Land Watershed for 11 Western States

G-2 Average Annual Water Yield from Public Land, by Agency and Water Resource Region

G-3 Average Annual Water Yield from Public Land, 11 Western States, by Agency

G-4 Average Annual Stream Sediment Yield from Public Land by Resource Region

G-5 Population Dependent Upon Water from Public Lands

G-6 Water Withdrawn for Specific Activities by Water Resource Regions

G-7 Water Requirements on Public Lands in 11 Western States by Agency and Land Use Activity, 1967

G-8 Total Water Requirements for Public Land Agencies by Water Resource Region, 1967

G-9 Total Water Requirements for Public Land Agencies by 11 Western States, 1967

G-10 Consumptive Water Use by Federal Agencies by Water Resource Regions and Type of Use, 1965

G-11 Average Annual Water Yield by State and Water Resource Region

Table G-1 Area of Public Land Watershed for 11 Western States [a/]

State	Total Area [b/]	Public Domain	Relationship of Public Domain to All Other Lands
	(1,000 Acres)		Percent
Arizona	72,902	32,151	44.1
California	101,564	42,120	41.5
Colorado	66,718	23,054	34.6
Idaho	53,476	33,246	62.2
Montana	94,168	25,194	26.8
Nevada	70,746	60,812	86.0
New Mexico	77,866	25,027	32.1
Oregon	62,068	28,588	46.1
Utah	54,346	34,674	63.8
Washington	43,643	11,089	25.4
Wyoming	62,665	29,266	46.7
Totals	760,162	345,221	45.4

a/ Public Land Acreages by Agencies and by States, 1966 (Public Land Statistics - 1967).

b/ Includes Land and Inland Waters.

Table G-2 Average Annual Water Yield from Public Land, by Agency and Water Resource Region [a/]

(Million acre feet)

Agency	WATER RESOURCE REGION									
	Missouri	Arkansas-White-Red	Texas-Gulf	Rio Grande	Upper Colorado	Lower Colorado	Great Basin	Columbia-N. Pacific	California	Total
Forest Service [b/]	12.782	1.394	nc	2.718	14.160	2.095	3.819	117.511	41.971	196.450
Bureau of Land Management [c/]	0.570	0.028	neg	0.168	0.460	0.209	1.238	1.555	1.867	6.095
National Park Service	1.757	neg	na	0.004	0.174	0.042	0.004	12.605	3.812	18.398
Fish and Wildlife	0.025	neg	na	0.003	0.001	0.042	0.026	0.137	0.026	0.260
Bureau of Indian Affairs	na	na	na	na	na	0.003	neg	na	na	0.003
Bureau of Reclamation	0.045	neg	na	0.001	0.073	0.014	0.047	0.192	0.160	0.532
Atomic Energy Commission	na	na	na	neg	0.001	neg	0.014	0.024	na	0.039
Agricultural Research Service	0.001	na	na	0.003	na	na	na	0.002	na	0.006
Army	neg	0.001	na	0.031	neg	0.006	0.007	neg	0.035	0.080
Air Force	0.001	na	na	0.001	0.021	0.001	0.111	0.005	neg	0.140
Navy	neg	na	na	na	0.003	neg	0.008	0.002	0.023	0.036
Corps of Engineers	0.011	neg	na	neg	na	neg	na	0.081	0.010	0.102
Total Public Land	15.192	1.423	neg	2.929	14.893	2.412	5.274	132.114	47.904	222.141
Total Regional Runoff	23.130	1.510	0.040	3.820	15.480 [d/]	3.570	6.590	235.170	72.870	362.180

na - Not applicable
neg - Negligible

a/ Unless otherwise noted, all data are based on adjusted stream gauging records and U.S. Geological Survey Hydrologic Atlas 212.

b/ Data supplied by U.S. Forest Service.

c/ Data derived cooperatively by U.S. Geological Survey and Resource contractor.

d/ U. S. Water Resources Council, The Nation's Water Resources, 6-13-4 (1968), indicates that the average annual "virgin" flow at Lee Ferry for the period 1906-1965 was about 15.06 million acre-feet.

Source: Table 4, Study of the Development, Management and Use of Water Resources on the Public Lands, prepared for the PLLRC.

Table G-3 Average Annual Water Yield from Public Land - 11 Western States, by Agency [a/]

(Million acre-feet)

Agency	Arizona	California	Colorado	Idaho	Montana	Nevada	N. Mexico	Oregon	Utah	Washington	Wyoming	Total
Forest Service [b/]	1.553	40.628	14.956	28.350	18.875	1.630	1.392	36.306	5.038	38.386	9.336	196.450
Bureau of Land Mgmt. [c/]	0.130	1.810	0.280	0.610	0.310	1.190	0.180	0.920	0.330	0.015	0.320	6.095
National Park Service	0.021	3.602	0.318	0.028	2.563 [d/]	0.002	0.004	0.528	0.035	10.019	2.278	19.398
Fish & Wildlife	0.013	0.026	0.002	0.005	0.026	0.053	0.001	0.028	0.003	0.082	0.021	0.260
Bur. Indian Affairs	0.002	na	na	na	na	neg	0.001	na	na	na	na	0.003
Bureau of Reclamation	0.011	0.120	0.033	0.071	0.073	0.044	0.001	0.062	0.043	0.028	0.044	0.532
Atomic Energy Commission	na	na	0.001	0.021	na	0.014	neg	na	neg	0.003	na	0.039
Agricul. Research Service	na	na	na	0.001	0.001	na	0.003	0.001	na	neg	na	0.006
Army	0.005	0.023	0.001	neg	neg	0.001	0.031	neg	0.007	0.012	neg	0.080
Air Force	0.021	neg	na	0.005	neg	0.049	0.001	neg	0.063	neg	0.001	0.140
Navy	neg	0.023	0.001	na	na	0.008	na	0.002	0.002	na	neg	0.036
Corps of Engineers	neg	0.010	neg	0.008	0.013	neg	neg	0.066	na	0.005	na	0.102
Total	1.756	46.242	15.592	29.099	21.861 [d/]	2.991	1.614	37.913	5.523	48.550	12.000	223.141
Total State Runoff	2.890	70.810	15.850	38.200	32.420	3.400	3.100	78.120	6.220	95.940	16.230	363.180

na - not applicable
neg - negligible

[a/] Unless otherwise noted, all data are based on adjusted stream gauging records and U.S. Geological Survey Hydrologic Atlas 212.

[b/] Data supplied by U.S. Forest Service.

[c/] Data derived cooperatively by U.S. Geological Survey and Resource contractor.

[d/] 1 million acre-feet from northern Montana drains into Canada and thus is not shown in the data for water Resource Regions on preceding Table G-2. See page 401 of Study of the Development, Management and Use of Water Resources on the Public Lands, prepared for the PLLRC.

Source: Table 5, Study of the Development, Management and Use of Water Resources on the Public Lands, prepared for the PLLRC.

Table G-4 Average Annual Stream Sediment Yield from Public Land by Resource Region

(1,000 tons)

Water Resource Region	From Public Land	From Non-Federal Land	Total
Arkansas-White-Red	919	5,947	6,866
California	21,909	15,609	37,518
Lower Colorado	20,385	8,602	28,987
Upper Colorado	151,543	102,699	254,242
Columbia-N. Pacific	25,149	36,027	61,176
Great Basin	2,715	937	3,652
Missouri	14,765	11,179	25,944
Rio Grande	13,589	3,534	17,123
Totals	250,974	184,534	435,508

Source: Page 423, Study of the Development, Management and Use of Water Resources on the Public Lands, prepared for the PLLRC.

Table G-5 Population Dependent Upon Water from Public Lands

(In thousands)

State	Total Population July 1, 1967	Population Dependent Upon Public Land Water		
		Urban	Rural	Total
Arizona	1,634	1,209	420	1,629
California	19,153	16,032	2,321	18,353
Colorado	1,975	1,462	438	1,900
Idaho	699	336	363	699
Montana	701	331	320	651
Nevada	444	315	129	444
New Mexico	1,003	662	291	953
Oregon	1,999	1,239	740	1,979
Utah	1,024	768	255	1,023
Washington	3,087	2,099	688	2,787
Wyoming	315	180	133	313
Total	32,034	24,633	6,098	30,731

Source: Table 25, Study of the Development, Management and Use of Water Resources on the Public Lands, prepared for the PLLRC.

Table G-7 Water Requirements on Public Lands in 11 Western States by Agency and Land Use Activity, 1967

(Acre-feet per Year)

Agency	L A N D U S E						
	Livestock	Big Game	Recreation Activities	Timber Production	Land Occupancy	Other	Total
Forest Service	69,752	20,769	49,909	2,189	20,955	17,466	181,040
Bureau of Land Management	12,450	1,222	168	-	-	-	13,840
National Park Service	330	98	1,029	-	447	426	2,330
Bur. of Sport Fish. & Wildlife	568	69	45	-	17	1,988,442	1,989,141
Bureau of Reclamation	277	29	278	1,502	1,333	1,115	4,534
Atomic Energy Commission	-	-	-	-	2,789	-	2,789
NASA	-	-	-	-	124	-	124
Agricul. Research Service	404	-	-	-	32	8,053	8,489
Department of Defense							
Army	-	-	-	-	30,350	-	30,350
Air Force	-	-	-	-	6,513	1,627	8,140
Navy	-	-	-	-	10,063	-	10,063
Corps of Engineers	-	-	5,922	-	625	2,140	8,687
Total	83,781	22,187	57,351	3,691	73,248	2,019,269	2,259,527

Source: "Study of the Development, Management and Use of Water Resources on the Public Lands," March, 1969.

Table G-6 Water Withdrawn for Specific Activities by Water Resource Regions

(1,000 Acre-feet per Year)

Region	Power	Industrial	Irrigation	Livestock	Domestic	Total
Missouri [a]	157	213	13,798	71	422	14,661
Arkansas-White-Red [a]	24	53	1,133	13	72	1,295
Rio Grande [a]	20	92	4,632	66	179	4,990
Upper Colorado	22	45	4,346	12	74	4,499
Lower Colorado	11	157	7,168	17	390	7,743
Great Basin	11	250	5,124	18	324	5,729
Columbia-North Pacific	9	2,140	29,574	66	1,444	33,233
California	6,350	1,400	29,344	90	4,572	41,756
Total	6,605	4,351	95,119	353	7,476	113,904

[a] Estimated use in applicable portions of Montana, Wyoming, Colorado and New Mexico.

Source: Table 27, Study of the Development, Management and Use of Water Resources on the Public Lands, prepared for the PLLRC.

Table G-8 Total Water Requirements for Public Land Agencies by Water Resource Region, 1967

(Acre-feet)

Agency	Missouri	Arkansas-White-Red	Rio Grande	Upper Colorado	Lower Colorado	Great Basin	Columbia-North Pacific	California	Total
Forest Service	19,467	845	4,867	53,238	18,642	1,910	18,175	63,896	181,040
Bureau of Land Management	1,716	55	886	2,495	1,533	3,536	2,214	1,405	13,840
National Park Service	275	3	7	195	1,268	56	303	163	2,270
Fish and Wildlife	935,543	50	52,734	10,926	61,979	475,465	114,144	338,300	1,989,141
Bureau of Reclamation	598	79	58	1,836	-	30	418	1,515	4,534
Atomic Energy Commission	-	-	-	-	-	773	2,016	-	2,789
N.A.S.A.	-	-	122	-	-	-	-	2	124
Agricultural Research Service	7,043	-	36	-	-	-	1,410	-	8,489
Army	-	2,888	12,883	111	4,368	3,979	666	5,455	30,350
Air Force	1,099	-	3,827	-	1,691	250	386	887	8,140
Navy	-	-	-	-	-	441	1,153	8,469	10,063
Corps of Engineers	126	1,845	2	-	-	-	5,811	903	8,687
Total	965,867	5,765	75,422	68,801	89,481	486,440	146,696	420,995	2,259,467

Table G-9 Total Water Requirements for Public Land Agencies by 11 Western States, 1967

(Acre-feet)

Agency	Arizona	California	Colorado	Idaho	Montana	Nevada	N. Mexico	Oregon	Utah	Washington	Wyoming	Total
Forest Service	15,204	63,283	56,318	3,417	1,239	997	7,890	11,770	2,096	2,839	15,987	181,040
Bureau of Land Mgmt.	1,223	739	896	1,184	1,507	2,040	1,584	1,876	1,252	-	1,839	13,840
National Park Service	509	215	83	12	145	632	8	19	268	105	334	2,330
Fish and Wildlife	61,979	338,300	31,507	184,304	935,543	97,558	22,300	104,440	202,006	1,141	10,063	1,989,141
Bur. of Reclamation	411	1,513	266	121	31	30	72	221	38	89	1,742	4,534
Atomic Energy Comm.	-	-	-	2,016	-	773	-	-	-	-	-	2,789
NASA	-	2	-	-	-	-	122	-	-	-	-	124
Agr. Research Serv.	-	-	-	1,402	7,043	-	36	8	-	-	-	8,489
Army	4,155	5,455	2,888	-	-	213	12,966	344	4,007	322	-	30,350
Air Force	1,691	887	-	365	-	230	3,827	-	20	21	1,099	8,140
Navy	-	8,469	-	-	-	441	-	-	-	1,153	-	10,063
Corps of Engineers	-	903	1,544	2,097	107	-	322	136	-	3,578	-	8,687
Total	85,172	419,766	93,502	194,918	945,615	102,914	49,127	118,514	209,687	9,248	31,064	2,259,527

Table G-10 Consumptive Water Use by Federal Agencies, by Water Resource Regions and Type of Use, 1965

(Thousand acre-feet)

Water Resource Region	TYPE OF USE							
	Rural Domestic	Municipal	Industrial	Steam Electric Power	Irrigation	Livestock	Total	Total Federal Agency Use
Missouri	95	248	80	27	10,974	398	11,820	966
Arkansas-White-Red	105	270	361	46	5,634	164	6,579	6
Rio Grande	8	121	52	10	4,665	76	4,932	75
Upper Colorado	3	16	9	15	2,166	11	2,220	69
Lower Colorado	6	227	56	9	3,550	13	3,862	89
Great Basin	10	105	41	2	2,352	12	2,523	486
Columbia North Pacific	150	204	112	-	11,252	62	11,779	147
California	67	1,478	123	78	21,605	56	23,408	421
Total	445	2,669	833	187	62,197	792	67,123	2,259

Table G-11 Average Annual Water Yield by States and Water Resource Region [a/]

(Million acre feet)

State	REGION									
	Missouri	Arkansas-White-Red	Texas-Gulf	Rio Grande	Upper Colorado	Lower Colorado	Great Basin	Columbia-N. Pacif.	Calif.	Total
Arizona	-	-	-	-	0.07	2.82	-	-	-	2.89
California	-	-	-	-	-	-	-	-	70.81	70.81
Colorado	2.60	1.16	-	1.59	10.50	-	-	-	-	15.85
Idaho	-	-	-	-	-	-	0.46	37.74	-	38.20
Montana [b/]	11.83	-	-	-	-	-	-	19.59	-	32.42
Nevada	-	-	-	-	-	0.26	2.56	.58	-	3.40
New Mexico	-	0.35	0.04	2.23	0.16	0.32	-	-	-	3.10
Oregon	-	-	-	-	-	-	-	76.06	2.06	78.12
Utah	-	-	-	-	2.76	0.17	3.29	neg	-	6.22
Washington	-	-	-	-	-	-	-	95.94	-	95.94
Wyoming	8.70	-	-	-	1.99	-	0.28	5.26	-	16.23
Total	23.13	1.51	0.04	3.82	15.48	3.57	6.59	235.17	72.87	363.18

a/ Calculations prepared on a cooperative basis between U.S. Geological Survey and the Resource contractor.

b/ Natural water yield of Montana is approximately 32.42 million acre-feet with an additional one-million acre-feet of water per year from 642 square miles in northern Montana that flows into the Saskatchewan River and into the Hudson Bay.

Source: Table 3, Study of the Development, Management and Use of Water Resources on the Public Lands, prepared for the PLLRC.

Section H - Recreation

The Bureau of Outdoor Recreation, Department of the Interior, has classified Federal land for recreation purposes. The areal extent of Federal lands so classified is presented by Census Region and by Federal agency for 1967. A description of the BOR classification system is also shown.

Public land classified for recreation, by BOR class, is described by Census Region and agency with water surface acreage shown. The number and kind of recreation facilities, their location, and administering agency are listed. Recreation visits by Census Regions and administering agencies are also described.

Receipts from recreation use, by collecting agency, for the period 1963-67 are shown along with visitor use at designated areas and receipts collected by agencies for 1965 through 1967.

Federal expenditures for recreation operation, maintenance and development, by major agency and for the period 1963-67 are also shown.

H - Recreation

Table

H-1	Section 10 Lands and All Federal Lands Classified for Recreation, by Census Region, 1967
H-2	Section 10 Lands Classified for Recreation, by Agency and Census Region, 1967
H-3	Bureau of Outdoor Recreation Classification System
H-4	Public Land Classified for Recreation by BOR Class, by Census Region and by Agency
H-5	Water Surface Acreage on Public Recreation Land by Census Region and Agency, 1967
H-6	Recreation Facilities on Public Recreation Land by Census Region and Type of Facility
H-7	Recreation Facilities on Public Recreation Land by Agency and Type of Facility
H-8	Recreation Visits - National Park Service, 1963-67
H-9	Recreation Visits, by Census Region, Forest Service, 1963-67
H-10	Recreation Visits, Bureau of Land Management by West Census Region, Division and State, 1964-67
H-11	Recreation Visits, Bureau of Sport Fisheries and Wildlife, by Census Region, 1963-67
H-12	Receipts from Recreation Use by Agency - 1963-67
H-13	Federal Expenditures for Recreation Operation and Maintenance by Major Agency and Fiscal Year, 1963-67
H-14	Federal Expenditures for Recreation Development by Major Agency and Fiscal Year, 1963-67
H-15	Visitor Use at Designated Areas and Receipts Collected by Agencies, 1965-67

Table H-1 Section 10 Lands and All Federal Lands Classified for Recreation, by Census Region, 1967*

(1,000 acres)

Census Region	Federal Lands [a]	Section 10 Lands [b]		
		Total	Classified for Recreation [c]	Other Use
West	360,132	348,290	321,864	26,427
South	25,742	14,426	13,759	667
North Central	18,346	12,017	10,283	1,734
Northeast	2,095	1,513	1,507	6
U. S. Total	406,315	376,246	347,413	28,833

* Forty-eight states only.
a/ Data derived from PLLRC Study by Herman D. Ruth & Associates, 1969.
b/ Data supplied by Agencies to PLLRC.
c/ As classified by National Park Service, Forest Service, Bureau of Land Management, Bureau of Sport Fisheries and Wildlife, and Bureau of Reclamation for the Bureau of Outdoor Recreation.

Table H-2 Section 10 Lands Classified for Recreation, by Agency and Census Region, 1967 *

(1,000 acres)

Census Region	Forest Service	Bureau of Land Management	National Park Service	Bureau of Sport Fish. & Wildlife	Bureau of Reclamation	Total
West	137,795	169,995	10,931	2,887	255	321,864
South	12,700	19	1	1,040	-	13,759
North Central	9,402	128	102	629	22	10,283
Northeast	1,435	-	-	72	-	1,507
U. S. Total	161,332	170,142	11,034	4,628	278	347,413

* Forty-eight states only.

Source: PLLRC Study by Herman D. Ruth & Associates, 1969, Outdoor Recreation Use of the Public Lands.

Table H-3 BUREAU OF OUTDOOR RECREATION CLASSIFICATION SYSTEM

ATTACHMENT TO FORMS BOR 8-73 AND BOR 8-75

	CLASS EXAMPLES	PHYSICAL REQUIREMENTS	LOCATION	ACTIVITIES	DEVELOPMENTS	RESPONSIBILITY
CLASS I	**High Density Recreation Areas** **Examples:** Intensively developed portions of Palisades Interstate Park, N.J. and N.Y.; Jones Beach, N.Y.; intensively developed parts of Cook Co. Forest Preserve, Ill.; Huntington Beach State Park, Calif.; Patapsco State Park, Md.; beach and boardwalk area in Atlantic City, N.J.; Colter Bay recreation center in Grand Teton National Park, Wyoming.	Physiographic features such as topography, soil type, drainage, etc., should be adaptable to special types of intensive recreation use and development. An attractive natural setting is desirable; however, manmade settings are acceptable. There are no specific size criteria and there is great variation in size from one area to another.	Usually within or near major centers of urban population, but may occur within such units as national parks and forests remote from population concentrations.	Intensive day or weekend type, such as picnicking, water sports, winter sports, group field games, and other activities for many people. Although high density areas are subject to heavy peakload pressure at certain times, they often sustain moderate use throughout the year.	High degree of facility development which often requires heavy investment. They are usually managed exclusively for recreation purposes. Development may include a road network, parking areas, bathing beaches and marinas, bath houses, artificial lakes, playfields, and sanitary and eating facilities.	Commonly held under municipal, county, regional, or State ownership. Many commercial resorts have similar characteristics and collectively provide a significant portion of recreation opportunities for urban population centers.
CLASS II	**General Outdoor Recreation Areas** **Examples:** Rock Creek Park, Washington, D.C.; Kensington Park, Huron-Clinton Authority, Mich.; and Golden Gate Park, San Francisco, Calif.	May have varied topography, interesting flora and fauna within a generally attractive natural or manmade setting adaptable to providing a wide range of opportunities. These areas range in size from several acres to large tracts of land.	Usually more remote than Class I areas, however, relatively accessible to centers of urban population and accommodate a major share of all outdoor recreation. Included are portions of public parks and forests, public and commercial camping sites, picnic grounds, trail parks, ski areas, resorts, streams, lakes, coastal areas, and hunting preserves.	Extensive day, weekend, and vacation use types such as camping, picnicking, fishing, hunting, water sports, winter sports, nature walks, and outdoor games.	Generally less intensive than Class I areas. Includes, but not limited to, access roads, parking areas, picnic areas, campgrounds, bathing beaches, marinas, streams, natural and/or artificial lakes. Areas are equipped with some manmade facilities, which may vary from simple to elaborate. Thus, campgrounds may have only the barest necessities for sanitation and fire control or they may have ample and carefully planned facilities such as cabins, hot and cold running water, laundry equipment, stores, museums, small libraries, entertainment, juvenile and adult playfields. Other features may include permanent tows for ski areas, fully equipped marinas, lodges, dude ranches and luxury hotels.	Federal, State or local governments, including regional park and recreation authorities, and private clubs and other forms of private ownership assisted by public agencies on problems of access and development of basic facilities.
CLASS III	**Natural Environment Areas** **Examples:** Portions of the Allagash County of northern Lake States. Public lands of this category often adjoin outstanding natural Class IV, and primitive Class V, areas in national and state parks and forests as in the case in the Grand Teton National Park and the Superior National	Varied and interesting land forms, lakes, streams, flora and fauna within attractive natural settings.	Usually more remote from population centers than Class I and II areas and occur throughout the country and on an acreage basis are the largest class in both public and private ownership. (Cont.)	Extensive weekend and vacation types dependent on quality of the natural environment, such as sightseeing, hiking, nature study, picnicking, camping, swimming, boating, canoeing, fishing, hunting, and mountaineering. The primary objective is to pro-	Access roads, trails, picnic and campsite facilities and minimum sanitary facilities. There may be other compatible uses of the area such as watershed protection, water supply, grazing, lumbering, and mining provided such	Federal, State, or local governments, including regional park and recreation authorities and private ownerships.

CLASS IV	**Examples:** The scenic sites and features in this class are limited in number and are irreplaceable. They range from large areas within Yosemite Valley and the Grand Canyon to smaller sites such as Old Faithful in Yellowstone National Park; Old Man of the Mountain, N.H.; and the Bristle Cone Pine Area in the Inyo National Forest, Calif.	Outstanding natural feature associated with an outdoor environment that merit special attention and care in management to insure their preservation in their natural condition. Includes individual areas of remarkable natural wonder, high scenic splendor, or features of scientific importance. One or more such areas may be part of a larger administrative unit, such as a national park or forest.	Any place where such features are found.	Sightseeing, enjoyment, and study of the natural features. Kinds and intensity of use limited to the enjoyment and study of the natural attractions so as to preserve the quality of the natural features and maintain an appropriate setting. May be visited on a day, weekend, or vacation trip.	Limited to minimum development required for public enjoyment, health, safety and protection of the features. Wherever possible, access roads and facilities other than trails and sanitary facilities should be kept outside the immediate vicinity of the natural features. Visitors encouraged to walk to the feature or into the area when feasible. Improvements should harmonize with and not detract from the natural setting.	Public agencies, (Federal, State, and local), and private landowners, with assistance from public agencies, who may identify, set aside, and manage natural features. Generally the Federal Government assumes responsibility for the protection and management of natural areas of national significance; the States for areas of regional or State significance; and local government and private owners for areas of primarily local significance.
CLASS V	**Primitive Areas** **Examples:** The "back country" of Yellowstone National Park - South Asoroka Wilderness Area in Shoshone National Forest, Wyoming; Gila Wilderness Area, Gila National Forest, New Mexico; Sawtooth Wilderness Area, Boise National Forest, Idaho; and the undeveloped portion of Anza Berrego Desert State Park, California.	Extensive natural, wild and undeveloped area and setting removed from the sights, sounds, and smells of civilization. Essential characteristics are that the natural environment has not been disturbed by commercial utilization and that the areas are without mechanized transportation. The area must be large enough and so located as to give the user the feeling that he is enjoying a "wilderness experience." The site may vary with different physical and biological conditions and may be determined in part by the characteristics of adjacent land. Size may vary in different parts of the country. These areas are inspirational, esthetic, scientific, and cultural assets of the highest value.	Usually remote from population centers.	Camping out on one's own without mechanized transportation or permanent shelter or other conveniences.	No development of public roads, permanent habitations or recreation facilities except trails. No mechanized equipment allowed except that needed to control fire, insects and disease. Commercial use of the area that may exist at the time of establishment should be discontinued as soon as practical.	Usually Federal but may also be by State agencies or private landowners (such as the high mountain country held by large timber and mining companies.)
CLASS VI	**Historic and Cultural Sites** **Examples:** The Hermitage; Mount Vernon; the Civil War battlefields; and historic Indian dwellings, Mesa Verde National Park.	These are sites associated with the history, tradition or cultural heritage of National, State or local interest and are of enough significance to merit preservation or restoration.	The location of the feature establishes the site.	Sightseeing, enjoyment, and study of the historic or cultural features. Kinds and intensity of use limited to this type of study and enjoyment.	Management should be limited to activities that would effect such preservation and restoration as may be necessary to protect the features from deterioration and to interpret their significance to the public. Access to the area should be adequate but on-site development limited to prevent overuse. Development should not detract from the historic or cultural values of the site.	Public agencies (Federal, State, and local), and private landowners who identify, set aside, and manage historic and cultural areas.

USCOMM-DC 18770

Table H-4 Public Land Classified for Recreation by BOR Class, by Census Region and by Agency *

(1,000 acres)

Agency and Census Region	BOR CLASS I	II	III	IV	V	VI	Total
West	110	9,414	258,743	10,409	41,810	1,378	321,864
South	4	214	13,099	413	28	1	13,759
North Central	1	69	9,310	69	833	2	10,283
Northeast	a/	6	1,484	13	5	-	1,507
U. S. Total	115	9,702	282,635	10,904	42,676	1,381	347,413
Forest Service							
West	48	4,030	118,928	1,257	13,478	53	137,795
South	-	180	12,428	70	21	1	12,700
North Central	-	30	8,563	1	808	a/	9,402
Northeast	-	4	1,413	13	5	-	1,435
Total	48	4,244	141,333	1,341	14,312	54	161,332
Bureau of Land Management							
West	51	5,009	134,243	7,340	22,167	1,185	169,995
South	a/	-	19	-	-	-	19
North Central	-	-	128	-	-	-	128
Northeast	-	-	-	-	-	-	-
Total	51	5,009	134,389	7,340	22,167	1,185	170,142
National Park Service							
West	6	160	4,714	1,809	4,103	139	10,931
South	-	-	1	-	-	a/	1
North Central	a/	1	26	67	7	2	102
Northeast	-	-	-	-	-	-	-
Total	6	161	4,741	1,875	4,110	141	11,034

Table H-4 Public Land Classified for Recreation by BOR Class, by Census Region and by Agency * (Cont.)

(1,000 acres)

Agency and Census Region	BOR CLASS I	II	III	IV	V	VI	Total
Bureau of Sport Fish. & Wildlife							
West	4	20	798	3	2,062	a/	2,887
South	4	34	651	343	7	a/	1,040
North Central	1	23	585	1	18	a/	629
Northeast	a/	2	71	-	-	a/	72
Total	9	80	2,105	347	2,087	a/	4,628
Bureau of Reclamation							
West	-	194	60	1	-	a/	255
South	-	-	-	-	-	-	-
North Central	-	15	8	-	-	-	22
Northeast	-	-	-	-	-	-	-
Total	-	209	68	1	-	a/	278

* Forty-eight states only.

a/ Less than 500 acres.

Source: PLLRC Study by Herman D. Ruth & Associates, 1969, Outdoor Recreation Use of the Public Lands.

Table H-5 Water Surface Acreage on Public Recreation Land by Census Region and Agency, 1967 [a]

(1,000 acres)

Census Region	Forest Service	Bureau of Land Management	National Park Service	Bureau of Sport Fish. & Wildlife	Bureau of Reclamation
West	660	365	378	65	190
South	77	-	-	500	-
North Central	447	[b]	8	172	9
Northeast	3	-	-	11	-
U. S. Total	1,187	366	386	798	198

[a] Data supplied by agencies to PLLRC. Forty-eight states only.
[b] Less than 500 acres.

Table H-6 Recreation Facilities on Public Recreation Land by Census Region and Type of Facility [a/]

(1,000)

Facilities	REGION				
	West	South	N. Central	Northeast	Total
Tent camp grounds (acres)	28	2	3	b/	33
Trailer camp grounds (acres)	6	b/	b/	b/	6
Swimming beaches (acres)	1	2	1	b/	5
Cabins and motels (units)	11	b/	b/	b/	11
Hotel and lodge beds	19	b/	2	b/	21
General parking spaces	162	11	11	3	187
Picnic (tables)	31	5	3	1	40
Boat access parking spaces	18	4	6	b/	29
Marina (slips)	4	b/	1	-	6

a/ Data supplied by agencies to PLLRC. Forty-eight states only.
b/ Less than 500

Table H-7 Recreation Facilities on Public Recreation Land by Agency and Type of Facility [a/]

(1,000)

Type of Facility	Forest Service	Bureau of Land Management	National Park Service	Bureau of Sport Fish. & Wildlife	Bureau of Recla-mation	Total
Tent camp grounds (acres)	23	4	5	b/	1	33
Trailer camp grounds (acres)	4	1	b/	b/	b/	6
Swimming beaches (acres)	1	1	b/	3	b/	5
Cabins and motels (units)	3	b/	8	b/	b/	11
Hotel and lodge beds	14	b/	7	b/	b/	21
General parking spaces	74	7	95	8	2	187
Picnic (tables)	32	1	5	2	1	40
Boat access parking spaces	9	b/	11	8	1	29
Marina (slips)	2	b/	3	1	b/	6

a/ Data supplied by agencies to PLLRC. Forty-eight states only.
b/ Less than 500.

Table H-8 Recreation Visits - National Park Service, 1963-1967*

(In thousands)

NPS Regions	CALENDAR YEAR				
	1963	1964	1965	1966	1967
Southeast	40,204	40,639	43,782	46,267	49,142
Midwest	12,847	13,264	16,525	19,457	17,796
Southwest	11,896	12,637	13,722	15,366	16,248
Western	11,233	11,004	13,302	14,635	15,462
Northeast	10,428	14,002	14,783	17,137	15,846
National Capital	16,102	19,840	19,197	20,220	25,181
U. S. Total	102,711	111,386	121,312	133,081	139,676

* Forty-eight states only.
Source: PLLRC Study by Herman D. Ruth & Associates, 1969, Outdoor Recreation Use of Public Lands.

Table H-9 Recreation Visits by Census Region, Forest Service, 1963 - 1967 a/

(In thousands)

Census Region	CALENDAR YEAR				
	1963	1964	1965	1966	1967
Northeast	5,966	6,341	3,632	4,881	3,936
North Central	20,782	13,478	12,873	12,146	12,286
South	21,550	24,432	18,327	14,221	16,392
West	79,678	88,135	124,799	115,840	115,683
U. S. Total	127,975	132,385	159,631	147,088	148,298

a/ This table presents estimated recreation visits to states in the 48 contiguous states. For 1963 and 1964, a "recreation visit" is one entry. For 1965 and later, a recreation visit is measured in terms of the "visitor-day." This shift in methodology and unit of measurements makes pre-1965 data noncomparable with 1965 and later. The shift to the visitor day substantially increases apparent visitor use in those areas attracting longer term visitors in comparison with pre-1965 figures.

Source: PLLRC Study by Herman D. Ruth & Associates, 1969, Outdoor Recreation Use of the Public Lands.

Table H-10 Recreation Visits, Bureau of Land Management by West Census Region, Division and State, 1964-67 a/

(In thousands)

Region, Division and State	FISCAL YEAR			
	1964	1965	1966	1967
West Region	13,755	26,429	36,672	44,200
Mountain Division	7,226	19,568	24,444	28,786
Arizona	873	808	978	3,150
Colorado	1,238	1,382	3,887	6,934
Idaho	720	700	967	1,012
Montana	768	2,672	2,342	1,329
Nevada	1,230	12,670	12,250	12,236
New Mexico	449	659	836	281
Utah	573	558	916	850
Wyoming	1,375	119	2,268	2,994
Pacific Division	6,530	6,861	12,228	15,415
California	2,788	3,162	5,996	9,315
Oregon b/	3,742	3,699	6,231	6,100
Washington b/				

a/ This table presents estimated recreation visits to states within the West Census Region (exclusive of Alaska and Hawaii), the source defines Recreation Visit. No distinction in the source appears between "Section 10" and "Non-Section 10" Lands.

b/ Figures for recreation visits in Washington appear with the Oregon reports. The BLM owns very little recreation land in Washington.

Source: PLLRC Study by Herman D. Ruth & Associates, 1969, Outdoor Recreation Use of the Public Lands.

Table H-11 Recreation Visits, Bureau of Sport Fisheries and Wildlife, by Census Region, 1963-67 a/

(In thousands)

Census Region	CALENDAR YEAR				
	1963	1964	1965	1966	1967
Northeast	454	573	558	507	490
North Central	5,171	5,336	4,740	4,350	4,769
South	4,244	4,779	4,940	5,189	8,577
West	2,569	3,218	2,465	3,449	3,509
U. S. Total	12,438	13,906	12,704	13,495	17,346

a/ This table presents estimated recreation visits in the 48 contigious states by census region. A "recreation visit" is defined as one entry in a 24-hour period.

Source: PLLRC Study by Herman D. Ruth & Associates, 1969, Outdoor Recreation Use of the Public Lands.

Table H-12 Receipts from Recreation Use by Agency, 1963-67*

($1,000)

Year	Forest Service	Bureau of Land Management	National Park Service	Bureau of Sport Fish. & Wildlife	Bureau of Recla-mation	Total
1963	1,487	-	5,471	-	-	6,957
1964	1,779	-	5,787	-	-	7,566
1965	2,081	14	5,958	19	367	8,439
1966	3,446	38	6,372	113	305	10,274
1967	4,084	39	6,544	162	298	11,127

*Forty-eight states only.

Source: Data supplied by Agencies to PLLRC.

Table H-13 Federal Expenditures for Recreation Operation and Maintenance by Major Agency and Fiscal Year, 1963-67 a/

($1,000)

Year	Forest Service	Bureau of Land Management	National Park Service	Bureau of Sport Fish. & Wildlife	Bureau of Recla-mation	Total
1963	7,303	16	38,052	292	-	45,663
1964	7,888	25	40,362	293	-	48,568
1965	9,540	70	43,883	459	367	54,319
1966	12,522	289	48,032	459	305	61,607
1967	14,355	350	54,347	476	298	69,825

a/ Includes expenditures for operation and maintenance. Forty-eight states only.

Source: Data supplied by Agencies to PLLRC.

Table H-14 Federal Expenditures for Recreation Development by Major Agency and Fiscal Year 1963-67*

($1,000)

Year	Forest Service	Bureau of Land Management	National Park Service	Bureau of Sport Fish. & Wildlife	Bureau of Reclamation	Total
1963	18,600	1,394	71,457	-	-	91,451
1964	17,132	-	78,380	-	-	95,511
1965	14,747	709	80,074	-	2,051	97,581
1966	19,457	699	54,962	200	1,365	76,682
1967	21,157	660	46,116	480	4,195	72,607

*Forty-eight states only.

Source: Data supplied by Agencies to PLLRC.

Table H-15 Visitor Use at Designated Areas and Receipts Collected by Agencies, 1965-19

Agency and Year	Visitor-Days of Use at Designated Areas (C. Y. Basis) (1,000)	Revenue From Fees to L & WCF (F. Y. Basis) ($1,000)
National Park Service		
1965	27,577	6,372
1966	32,241	6,566
1967	37,042	6,982
Forest Service		
1965	23,912 a/	1,036
1966	23,103	1,677
1967	21,400	2,034
Bureau of Sport Fisheries and Wildlife		
1965	155	NA
1966	3,107	167
1967	3,145	199
Bureau of Land Management		
1965	180	NA
1966	200	42
1967	225	57
Tennessee Valley Authority		
1965	59	7
1966	140	22
1967	263	48
Bureau of Reclamation		
1965	180	NA
1966	200	17
1967	225	21
Corps of Engineers		
1965	NR	54
1966	19,781	350
1967	21,501	812

a/ The Forest Service reports that the decrease in Visitor-Days in 1965 and 1967 represents a more accurate estimate not a reduction in use.

Source: Lucas, William J.: "The Golden Eagle Experiment," paper presented at National Recreation and Parks Association meeting, Seattle, Washington (Oct., 1968).

*Forty-eight states only.

Section I - Fish and Wildlife

Acreage of Federal land suitable for hunting, fishing, and trapping is shown by agency and census division for 1967.

Since all Federal lands are not open to hunting, fishing and trapping, lands that were open for these activities for each of the major land holding agencies by census division are shown for 1967.

Acreage of big game habitat on Federal land in the 20 States selected for the Commission study is presented by land administering agency. Such information is not available without further research for the remaining states. Estimates of existing populations of big game in the 20 selected States (collectively) on Federal land and non-Federal land have been provided. Population data are given on each species by agency. Populations on Section 10 land have not been differentiated from all Federal land.

Data is provided on the distribution, by States, of the major big game populations in 20 selected States in 1966.

The number and acreage of different types of Federal areas acquired or designated primarily for wildlife in each State are shown for 1967.

Acreage and miles of fishing waters on Federal lands in the 20 selected States are shown by State. Such information was available only for lands administered by the Forest Service, Bureau of Land Management, Corps of Engineers, Bureau of Reclamation

and Navy. Miles of streams were available only for the Forest Service and the Navy.

The average annual harvest of game and fur-bearers on Federal lands during the 1962-1966 period is presented with distribution for each type of game by census division.

Use of land in all ownerships for hunting, fishing, bird watching, and nature photography and the number of persons and recreation days in each activity is shown by census division for 1965. Use data for these activities were not available for Section 10 lands alone.

Expenditures by all fishermen and hunters for 1965 are listed, but expenditure data attributable to hunting and fishing on Section 10 lands were not available.

I - Fish & Wildlife

Table

I-1 Area of Federal Land Suitable for Hunting, Fishing and Trapping by Selected Agencies and by Census Division, 1967

I-2 Area of Federal Land Entirely Open for Hunting, Fishing and Trapping by Selected Agencies and by Census Divisions

I-3 Big Game Habitat on Federal Land by Agency in the 20 Selected States

I-4 Number and Species of the Big Game Animals on Land of the Various Federal Agencies and Non-Federal Land in the 20 Selected States

I-5 Acreage of Federal Land by Big Game Species in 20 Selected States, 1966

I-6 Federal Areas Acquired or Designated Primarily for Wildlife, by State, 1967

I-7 Fishing Waters Located on Certain Federal Land in 20 States

I-8 Acrea of Fish Habitat on Federal Land by Type and Region in 20 Selected States

I-9 Average Annual Harvest of Game and Furbearers on Federal Land, by Census Division, 1962-66

I-10 Number of Persons and User Days in Selected Recreation Activities, by Census Division, 1965 for All Land Ownerships

I-11 Number of Fishermen and Hunters 12 Years Old and Older, Recreation Days, Expenditures and Average Daily Expenditures, 1965

Table I-1 Area of Federal Land Suitable for Hunting, Fishing and Trapping, by Selected Agencies and by Census Division, 1967

(1,000 acres)

Census Division	F.S.	BLM	NPS	BSFW	Dept of Army	Dept of Navy	Dept of Air Force	AEC	Total
New England	964	2	50	37	11	24	50	a/	1,136
Mid Atlantic	490	-	17	43	146	33	23	11	764
East North Central	4,569	5	540	345	178	66	60	9	5,772
West North Central	7,717	405	237	852	105	6	297	-	9,618
South Atlantic	5,980	-	2,025	1,020	1,069	388	747	201	11,430
East South Central	2,893	2	349	252	375	18	63	44	3,995
West South Central	4,098	25	957	620	1,483	81	169	10	7,436
Mountain	94,176	143,445	9,824	5,892	4,810	375	6,863	1,463	266,849
West Coast	45,158	31,120	5,728	726	1,173	2,542	533	370	87,350
Total	166,036	175,004	19,728	9,787	9,351	3,533	8,804	2,108	394,349

a/ Less than 500 acres.

Source: Fish and Wildlife Resources on the Public Lands - Prepared by the Department of Fishery and Wildlife Biology - Colorado State University for PLLRC January 1969, Appendix Tables 14 thru 22.

Table I-2 Area of Federal Lands Entirely Open for Hunting, Fishing and Trapping, by Selected Agencies, by Census Divisions, 1967

(Acres)

Census Division	F. S.	BLM	NPS	BSFW	Dept. of Army	Dept. of Navy	Dept. of Air Force	AEC	Total
New England	963,617	1,730	16,645	-	10,291	-	26,000	-	1,018,283
Mid-Atlantic	489,740	-	6,959	-	104,660	7,500	-	-	608,859
East North Central	4,569,287	4,659	94	5	88,474	62,694	-	-	4,725,213
West North Central	7,716,834	258,548	24,228	159,432	77,479	-	-	-	8,236,521
South Atlantic	5,980,206	-	29,564	-	613,727	181,297	558,614	-	7,363,408
East South Central	2,892,500	2,466	-	-	141,550	12,200	40,121	40	3,088,877
West South Central	4,090,066	25,007	224,142	-	501,907	44,965	1,793	5,000	4,892,880
Mountain	94,123,300	141,449,110	3,284,154	13,000	4,461,811	276,719	1,300,000	49,339	244,957,433
West Coast	45,104,764	30,591,979	148,912	4,833	694,339	1,174,471	33,509	9,000	77,761,807
Total	165,930,314	172,333,499	3,734,698	177,270	6,694,238	1,759,846	1,960,037	63,379	352,653,281

Source: Fish and Wildlife Resources on the Public Lands - Prepared by the Department of Fishery and Wildlife Biology - Colorado State University for PLLRC January 1969, Appendix Tables 14 thru 22.

Table I-3 Big Game Habitat on Federal Land, by Agency, in 20 Selected States [a/]

Federal Agency	Total Area	Area Providing Big Game Habitat	
	1,000 Acres	Percent	1,000 Acres
Forest Service	154,120	96	147,870
Bureau of Land Management	175,696	78	137,222
Bureau of Sport Fisheries & Wildlife	6,534	88	5,721
National Park Service	14,404	92	13,240
Bureau of Reclamation	8,857	32	2,877
Bureau of Indian Affairs	794	38	298
Air Force	8,127	21	1,685
Army - Military	6,542	56	3,663
Army - Corps of Engineers	2,398	78	1,872
Navy	3,030	14	411
Atomic Energy Commission	1,856	42	779
Totals	382,358	83	315,638

a/ Based on estimates by the state game and fish agencies of the percentage of the lands of each federal agency providing habitat for big game. Reported accuracy of the estimates varied from less than 70% to more than 95%. The 20 states are identified in Figure 2 of the Introduction.

Table I-4 Number and Species of Big Game Animals on Lands of the Various Federal Agencies and on Non-Federal Lands in 20 Selected States [a/]

Land Classification	Deer	Moose	Elk	Antelope	Bear	Bighorn Sheep	Mountain Goat	Barbary Sheep	Caribou	Wild Hogs	Javelina	Mountain Lion
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Federal Lands:												
Forest Service	2,669,392	12,746	331,730	19,650	83,841	9,475	13,224	60	18	9,720	8,600	3,325
Bureau of Land Management	842,636	950	12,075	132,710	7,174	4,680	225	200	-	-	8,800	904
Fish and Wildlife Service	47,164	146	755	4,212	419	2,101	-	-	-	-	200	2
National Park Service	148,561	1,839	24,853	1,534	5,941	2,506	1,266	-	-	2,500	200	80
Bureau of Reclamation	22,091	-	50	595	1	44	-	-	-	-	-	-
Bureau of Indian Affairs	1,519	-	4	18	3	-	-	-	-	-	-	-
Air Force	28,746	-	-	-	27	368	-	-	-	3,585	200	-
Army - Military	26,282	9	-	1,365	140	377	-	-	-	340	200	2
Corps of Engineers	39,828	95	555	5,485	80	16	-	-	-	250	-	-
Navy	14,347	-	60	78	25	70	-	-	-	-	-	1
Atomic Energy Commission	2,755	-	13	30	3	-	-	-	-	-	-	2
All Federal Lands	3,843,321	15,785	370,095	165,677	97,654	19,637	14,715	260	18	16,903	18,200	4,318
Non-Federal Lands	4,470,271	8,165	74,090	194,623	47,471	688	538	1,040	-	53,097	5,800	982
All Lands	8,313,592	23,950	444,185	360,300	145,125	20,325	15,253	1,300	18	70,000	24,000	5,300

a/ Adapted from summer population information supplied by the game and fish agencies of the 20 States listed in Table . Reported accuracy of the information varied from less than 70% to over 95%.

Table I-5 Acreage of Federal Land by Big Game Species in 20 Selected States, 1966 [a/]

(1,000 acres)

State	Area of State	Area in Federal Ownership	Federal Land Used by Big Game	Deer	Moose	Elk	Antelope	Bear	Bighorn Sheep	Other [b/]
Arizona	72,688	32,151	29,796	25,872	-	6,614	8,647	10,270	7,871	7,677
Arkansas	33,599	2,586	2,871	2,871	-	-	-	2,183	-	-
California	100,207	42,476	24,532	22,341	-	35	704	10,314	2,311	42
Colorado	66,486	23,090	22,823	22,106	-	19,093	1,718	14,400	2,669	10,840
Florida	34,721	1,351	2,698	2,698	-	-	-	843	-	1,160
Idaho	52,933	33,631	30,215	26,585	12,284	15,548	4,641	19,611	3,052	29,515
Michigan	36,492	2,709	3,247	2,708	575	-	-	2,275	-	-
Minnesota	51,206	3,227	3,334	3,334	2,324	-	-	2,904	-	-
Montana	93,271	25,292	25,573	25,515	15,859	18,261	8,706	18,546	1,040	3,851
Nevada	70,264	60,870	46,926	25,509	-	7	5,678	3	6,150	125
New Hampshire	5,769	678	509	509	-	-	-	-	-	-
New Mexico	77,766	25,394	24,338	16,779	-	5,102	8,840	8,986	100	11,707
North Carolina	31,403	1,228	1,341	1,341	-	-	-	1,102	-	670
Oregon	61,599	29,722	29,913	27,262	-	5,573	9,685	17,130	179	14,148
South Dakota	48,882	1,634	3,125	1,889	-	630	1,231	-	-	21
Utah	52,697	34,917	27,343	22,880	398	6,274	7,251	9,883	594	-
Virginia	25,496	1,489	1,953	1,953	-	-	-	1,333	-	-
Washington	42,694	11,398	11,578	10,981	48	4,217	-	10,320	97	13,383
West Virginia	15,411	909	900	900	-	-	-	725	-	-
Wyoming	62,343	29,349	22,622	20,481	2,021	10,003	11,495	10,482	1,233	91
Total	1,035,927	364,101	315,637	264,514	33,509	91,357	68,596	141,310	25,296	93,230

a/ Based on State game and fish agencies' estimates of the percentage of the State and of the Federally owned lands providing habitat for the several species. Reported accuracy of the estimates varies from less than 70% to more than 95%.

b/ Other includes 11,810 Mountain Goat; 167 Barbary Sheep; 48 Caribou; 1,852 Wild Hog; 8,031 Javelina; 71,322 Mountain Lion.

Table I-6 Federal Areas Acquired or Designated Primarily for Wildlife, by State, 1967[a/]

Region	Migratory Waterfowl Refuges[b/]		Waterfowl Production Areas		Migratory Bird Refuges		Big Game Refuges		Game Ranges		Wildlife Ranges		Coordination Areas		Fish Hatcheries		BLM Lands Withdrawn for Wildlife	Forest Service Refuges and Sanctuaries		Totals	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	Acres	No.	Acres	No.	Acres
Alabama	3	47,135	-	-	-	-	1	-	-	-	-	-	-	-	2	664	-	-	-	5	47,799
Arizona	3	53,352	-	-	-	-	-	-	2	1,520,000	-	-	1	6,896	3	160	-	1	754,600	10	2,335,008
Arkansas	4	135,806	-	-	-	-	-	-	-	-	-	-	-	-	4	241	-	3[c/]	143,774	11[d/]	279,821
California	12	204,050	-	-	1	91	-	-	-	-	-	-	3	1,629	1	55	839,779	2[c/]	68,770	19[d/]	1,114,374
Colorado	3	26,280	-	-	-	-	-	-	-	-	-	-	3	1,392	3	3,331	-	-	-	9	31,003
Conneticut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delaware	3	20,026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	20,026
Florida	6	316,761	-	-	11	5,783	1	6,745	-	-	-	-	-	-	1	466	-	1	79,396	20	409,151
Georgia	5	50,876	-	-	2	340,878	-	-	-	-	-	-	-	-	4	289	-	1	25,239	12	417,282
Hawaii	-	-	-	-	1	1,765	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,765
Idaho	5	63,455	-	-	-	-	-	-	-	-	-	-	4	4,245	2	212	13,700	-	-	11[d/]	81,612
Illinois	5	84,494	-	-	-	-	-	-	-	-	-	-	1	28,141	-	-	-	-	-	6	112,635
Indiana	1	859	-	-	-	-	-	-	-	-	-	-	-	-	1	13	-	-	-	2	872
Iowa	2	66,553	-	-	-	-	-	-	-	-	-	-	3	6,581	3	86	-	-	-	8	73,220
Kansas	3	50,184	-	-	-	-	-	-	-	-	-	-	1	573	2	531	-	-	-	6	51,288
Kentucky	2	68,066	-	-	-	-	-	-	-	-	-	-	-	-	1	114	-	-	-	3	68,180
Louisiana	4	228,730	-	-	3	9,777	-	-	-	-	-	-	-	-	1	97	-	2	76,199	10	314,803
Maine	2	22,859	1	116	-	-	-	-	-	-	-	-	-	-	1	135	-	-	-	3[d/]	23,110
Maryland	5	18,347	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	18,347
Massachusetts	3	9,417	-	-	-	-	-	-	-	-	-	-	-	-	1	264	-	-	-	4	9,681
Michigan	3	104,617	-	-	2	281	-	-	-	-	-	-	-	-	4	1,856	-	1[c/]	4,010	10	110,764
Minnesota	5	164,278	1,065	70,580	1	1	-	-	-	-	-	-	2	81,810	1	105	-	-	-	9[d/]	316,774
Mississippi	5	58,958	-	-	-	-	-	-	-	-	-	-	-	-	3	351	-	-	-	8	59,309
Missouri	4	43,101	-	-	-	-	-	-	-	-	-	-	4	12,075	1	261	-	-	-	9	55,437
Montana	18	155,080	-	-	-	-	1	18,540	1	375,678	-	-	6	6,773	4	532	48,780	-	-	30[d/]	605,383
Nebraska	3	126,883	59	7,781	-	-	1	19,122	-	-	-	-	1	243	1	501	-	-	-	6[d/]	155,030
Nevada	4	84,678	-	-	1	248	1	57,504	1	520,605	1	1,588,379	2	253,060	-	-	6,602	-	-	10[d/]	2,511,076
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	549	-	-	-	2	549
New Jersey	3	23,876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	23,876
New Mexico	4	87,339	-	-	-	-	1	57,217	-	-	-	-	1	461	3	288	58,600	-	-	9[d/]	203,905
New York	4	17,807	-	-	-	-	-	-	-	-	-	-	-	-	1	105	-	-	-	5	17,912
North Carolina	7	103,398	-	-	-	-	-	-	-	-	-	-	1	5,620	4	728	-	1	97,408	13[d/]	207,154
North Dakota	61	281,226	5,220	441,868	1	27	1	1,674	-	-	-	-	3	12,226	3	199	-	-	-	69[d/]	737,220
Ohio	2	7,115	-	-	1	82	-	-	-	-	-	-	-	-	2	337	-	-	-	5	7,534
Oklahoma	3	56,557	-	-	-	-	1	59,020	-	-	-	-	-	-	1	203	-	-	-	5	115,780
Oregon	9	223,096	-	-	3	177	-	240,721	-	-	-	-	3	7,170	1	787	136,625	-	-	17[d/]	608,576
Pennsylvania	1	4,962	-	-	-	-	-	-	-	-	-	-	1	87	1	192	-	-	-	3	5,241
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
South Carolina	3	162,221	-	-	-	-	-	-	-	-	-	-		46,274	4	468	-	1	50,600	9	259,563
South Dakota	5	36,896	2,149	156,992	-	-	-	-	-	-	-	-	-	-	3	722	4,000	2	50,414	10[d/]	249,024
Tennessee	4	79,080	-	-	-	-	-	-	-	-	-	-	-	-	2	126	-	1	10,900	7	90,106
Texas	7	133,437	-	-	1	1,981	-	-	-	-	-	-	-	-	4	283	-	1	-	12[d/]	135,701
Utah	4	94,385	-	-	-	-	-	-	-	-	-	-	3	6,416	1	22	-	-	-	8[d/]	135,703
Vermont	1	4,680	-	-	-	-	-	-	-	-	-	-	-	-	1	26	-	-	-	2	4,706
Virginia	2	15,781	-	-	-	-	-	-	-	-	-	-	-	-	5	906	-	1	31,000	8	47,687
Washington	9	69,521	-	-	6	615	1	41,708	-	-	-	-	8	16,634	9	1,641	11,909	-	-	33[d/]	142,028
West Virginia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	215	-	-	-	3	215
Wisconsin	4	149,190	-	-	2	29	-	-	-	-	-	-	1	58,003	2	75	-	-	-	9[d/]	207,297
Wyoming	4	20,858	-	-	-	-	1	23,784		-	-	-	6	16,051	2	40	4,000	1	28,318	14[d/]	93,051
Totals	250	3,776,270	8,494	677,337	36	361,735	10	526,035	4	2,416,283	1	1,588,379	59	572,860	98	18,176	1,158,875	18	1,420,628	44[d/]	12,516,578

a/ Data compiled by the several federal agencies. Does not include administrative sites and research centers.

b/ Areas bordering two or more states are listed only in one of the states.

c/ One area in California and one area in Michigan established primarily for Endangered Species (Condors and Kirtland's Warblers).

d/ Number does not include Waterfowl Production Areas or BLM wildlife lands.

Table I-7 Fishing Waters Located on Certain Federal Lands in 20 States [a/]

State	Forest Service		Bureau of Land Management		Corps of Engineers [b/c/]		Bureau of Reclamation		Navy	
	Streams (Miles)	Lakes (Acres)	Streams (Miles)	Lakes (Acres)	Streams (Miles)	Lakes (Acres)	Streams (Miles)	Lakes (Acres)	Streams (Miles)	Lakes (Acres)
Arizona	880	9,066	-	1,278	-	-	-	373,529[d/]	-	-
Arkansas	1,813	32,508	-	-	-	156,000	-	-	-	-
California	11,640	244,210	228	629	-	82,100	-	115,206	-	21,283
Colorado	6,580	31,029	493	1,553	-	900	-	40,487[d/]	5	-
Florida	356	59,932	-	-	-	503,400	-	-	9	152
Idaho	11,105	135,202	327	863	-	97,400	-	131,419[d/]	-	-
Michigan	2,361	86,298	-	-	-	-	-	-	-	-
Minnesota	1,969	641,357	-	-	-	258,500	-	-	-	-
Montana	5,810	94,985	3,020	2,677	-	212,000	-	127,125[d/]	-	-
Nevada	938	50,240	516	442	-	-	-	24,069	-	17,010
New Hampshire	439	1,727	-	-	-	1,100	-	-	-	-
New Mexico	1,309	500	30	1,837	-	3,300	-	39,259	-	-
North Carolina	4,146	30,500	1,846	2,418	-	4,100	-	-	37	32
Oregon	7,892	83,270	-	-	-	51,200	-	56,364	-	-
South Dakota	339	9,771	-	-	-	493,600	-	20,276	-	-
Utah	2,574	32,868	433	1,071	-	-	-	71,568	15	60
Virginia	834	1,975	-	-	-	56,100	-	-	42	1,549
Washington	4,946	138,409	-	-	-	72,800	-	152,798	5	1,524
West Virginia	587	265	-	-	-	20,700	-	-	-	-
Wyoming	4,534	43,982	543	2,582	-	-	-	142,983	-	-
Totals	71,052	1,728,094	7,436	15,350	-	2,013,200	-	1,295,083	113	41,610

a/ Data compiled from reports of the Corps of Engineers (1964), Bureau of Reclamation (1965), and the Forest Service (1965), and from 1966 data compiled especially for this report by the Bureau of Land Management and the Navy. Comparable data was not available for other agencies.

b/ Acreages are for reservoirs of normal recreational pool level. Includes some natural lakes which are partially controlled by Corps of Engineers dams.

c/ Some of the reservoirs included here may be located on federal lands under jurisdiction of other agencies, and therefore included in their acreage totals also.

Table I-8 Acres of Fish Habitat on Federal Land by Type and Region in 20 Selected States

Region	Total Fish Habitat-Acres	L A K E S		S T R E A M S	
		Cold Water	Warm Water	Cold Water	Warm Water
West Coast	1,178,843	762,655	217,672	198,516	-
Mountain	2,293,217	1,345,505	737,714	176,598	33,400
Eastern	1,299,411	29,781	1,245,426	12,875	11,329
Total	4,771,471	2,137,941	2,200,812	387,989	44,729

Source: Adapted from data obtained by contractor from U. S. Bureau of Sport Fisheries and Wildlife.

Table I-9 Average Annual Harvest of Game and Furbearers on Federal Lands, by Census Division, 1962-66

(Number)

Census Division	Big Game	Small Game	Furbearers[c]	Upland Game Birds	All Migratory Birds	Total
New England	1,496	18,297	2,792	4,732	1,439	28,756
Mid Atlantic	4,015	24,369	8,616	14,468	7,878	59,346
East North Central	30,388	282,985	133,372	164,064	115,341	726,150
West North Central	32,666	477,093	159,492	554,424	342,201	1,565,876
South Atlantic	30,128	910,960	5,570	538,621	422,034	1,907,313
East South Central	7,493	508,498	5,337	118,122	144,384	783,834
West South Central	6,063	1,044,288	116,046	512,357	187,480	1,866,234
Mountain	443,400	599,312	270,232	1,298,423	950,879	3,562,246
West Coast	221,604	2,186,091	24,229	1,325,454	1,156,565	4,913,943
Total	777,253	6,051,893	725,686	4,530,665	3,328,201	15,413,698

a/ No report on bear harvest from Minnesota or Utah.
b/ Incomplete reports on small game harvest from Connecticut, Illinois, Colorado, Idaho, Montana, Nevada, Wyoming, Indiana, Arkansas, Washington, New Jersey, New York, Georgia, Maryland, and Alabama.
c/ No report of furbearer harvest from Connecticut, Illinois, New Jersey, New York, Georgia, Maryland, and Alaska.

Source: Fish and Wildlife Resources on Public Lands, prepared by the Dept. of Fishery & Wildlife Biology, Colorado State University for PLLRC. Appendix Tables 5, 6, 7 and 8.

Table I-10 Number of Persons and User Days in Selected Recreation Activities by Census Division, for All Land Ownerships, 1965 [a/]

(In Thousands)

Census Division	A C T I V I T Y							
	Hunting		Fishing		Bird Watching		Nature Photography	
	No. of Persons	Recrea. Days	No. of Persons	Recrea. Days	No. of Persons	Recrea. Days	No. of Persons	Recrea. Days
New England	583	8,869	1,488	29,367	623	38,709	137	4,386
Mid Atlantic	1,631	21,611	2,760	48,241	1,247		582	
East North Central	2,563	33,445	5,337	93,704	2,405	45,020	719	4,746
West North Central	1,620	21,944	3,226	51,854	980		411	
South Atlantic	1,900	29,100	5,054	123,362	802		411	
East South Central	1,294	22,035	2,201	39,127	356	28,442	68	3,762
West South Central	1,571	21,653	3,278	61,392	535		205	
Mountain [b/]	1,092	11,057	1,397	18,014	446	28,827	205	7,290
West Coast [c/]	1,433	17,176	3,744	59,452	1,515		684	
U. S. Total	13,689	186,890	28,484	524,513	8,908	140,998	3,422	20,184

a/ Source: 1965 National Survey of Fishing and Hunting, (revised), Bur. Sport Fish. & Wild., USDI.
b/ Revised from data as shown in original published report, 1965 National Survey of Fishing & Hunting.
c/ Includes Alaska.

Table I-11 Number of Fishermen and Hunters 12 Years Old and Older, Recreation Days, Expenditures, and Average Daily Expenditures, 1965

	Hunting	Fishing
Number of Participants	28,348,000	13,583,000
Number of Recreation Days	522,759,000	185,819,000
Expenditures	$2,925,304,000	$1,121,136,000
Average Daily Expenditure	$5.60	$6.02

Source: 1965 National Survey of Hunting and Fishing, Bur. Sport Fish. & Wild., USDI.

Section J - Intensive Agriculture

In the resource part of the Commission's study on intensive agriculture, data on land disposals were requested for the 17 contiguous Western States only. For this reason, all data appearing in the tables in this section are limited to those States.

Estimated total acreage of Federal lands suitable for intensive agriculture are shown by State and administering agency in 1968, including the acreage of Land Utilization (LU) lands suitable for this use.

Summaries of the number and acreage of original and final entries and selections allowed are shown for Homestead Acts, Desert Land Act and Public Auction Sales in the 17 States for a time series, 1934-66. A summary of patents is shown for the same period, along with receipts for these disposals.

J - Intensive Agriculture

Table

J-1 Estimated Total Acreage of Federal Lands Suitable for Intensive Agriculture Controlled by Seven Agencies in the 17 Western States, by States, 1968

J-2 Estimated Total Acreage of Federal Lands Suitable for Intensive Agriculture in the 17 Western States, by Agency, 1968

J-3 Acres of Land Utilization (L.U.) Lands Suitable for Intensive Crop Production Administered by Bureau of Land Management and Forest Service, 1968

J-4 Summary-Original Entries and Selections Allowed and Final Entries Under Homestead Acts in 17 Western States, 1934-66

J-5 Summary-Original Entries and Selections Allowed and Final Entries Under Desert Land Act in 17 Western States, 1934-66

J-6 Summary-Final Entries Under Public Auction Sales in 17 Western States, 1934-66

J-7 Summary of Patents in 17 Western States by Acts, 1950-1956

J-8 Receipts for Original and Final Entries Under the Homestead Acts, Desert Land Act and Public Auction Sales in 17 Western States, 1934-66

J-9 Summary of Receipts for Original and Final Entries in 17 Western States, by Acts, 1934-66

Table J-1 Estimated Total Acreage of Federal Lands Suitable for Intensive Agriculture Controlled by Seven Agencies a/, in the 17 Western States, by States, 1968

(Acres)

State	Dryland	Irrigable (water avail.)	Irrigable (water not avail.)
Arizona	0	10,775	7,145,106
California	172,216	136,877	6,128,681
Colorado	103,420	87,795	298,120
Idaho	84,895	313,777	2,622,642
Kansas	99,415	43,000	210
Montana	279,160	5,600	13,270
Nebraska	9,599	4,900	26,454
Nevada	3,805	6,894	9,915,714
New Mexico	203	11,443	2,921,542
North Dakota	261,665	4,412	3,700
Oklahoma	43,762	3,485	44,891
Oregon	67,142	72,057	625,301
South Dakota	236,564	46,176	96,868
Texas	149,140	6,205	189,542
Utah	634	13,621	2,557,340
Washington	14,884	158,230	41,870
Wyoming	469,100	387,392	2,436,790
	1,995,604	1,312,639	35,068,041

a/ Forest Service, Bureau of Land Management, Bureau of Sport Fisheries and Wildlife, Department of Defense, Corps of Civil Engineers, National Park Service, and Bureau of Reclamation.

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Policies Related to Intensive Agriculture, 1969.

Table J-2 Estimated Total Acreage of Federal Lands Suitable for Intensive Agriculture in the 17 Western States, by Agency, 1968

(Acres)

Administered by	Dryland	Irrigable (water avail.)	Irrigable (water not avail.)
Bureau of Reclamation	22,972	423,936	370,725
Bureau of Land Management	569,320	516,265	28,449,555
National Parks	21,383	4,816	696,100
Sport Fisheries and Wildlife	82,940	114,367	58,451
Forest Service	842,439	100,830	932,750
Department of Defense	343,650	151,425	4,549,860
Corps of Civil Engineers	112,900	1,000	10,600
Totals	1,995,604	1,312,639	35,068,041
National Grasslands (L.U. lands)	509,880	115,006	537,581

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Policies Related to Intensive Agriculture, 1969.

Table J-3 Acres of Land Utilization (L.U.) Lands Suitable for Intensive Crop Production Administered by Bureau of Land Management and Forest Service, 1968

(Acres)

States	Bureau of Land Management			Forest Service		
	Dryland	Irrigable water avail.	Irrigable no water	Dryland	Irrigable water avail.	Irrigable no water
Arizona	0	0	38,832	0	0	0
California	0	0	0	0	0	9,000
Colorado	0	0	0	0	0	140,000
Idaho	5,000	15,000	50,000	0	6	20,000
Kansas	0	0	0	43,000	43,000	0
Montana	41,000	0	1,800	0	0	0
Nebraska	0	0	0	0	0	20,000
Nevada	0	0	600	0	0	0
New Mexico	0	0	24,009	0	4,000	2,000
North Dakota	0	0	0	183,680	0	0
Oklahoma	0	0	0	0	3,000	1,500
Oregon	0	0	10,000	0	0	1,200
South Dakota	0	0	0	186,000	45,000	80,000
Texas	0	0	0	1,200	5,000	4,000
Utah	0	0	9,640	0	0	0
Washington	0	0	0	0	0	0
Wyoming	0	0	0	50,000	0	125,000
Totals	46,000	15,000	134,881	463,880	100,006	402,700

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Policies Related to Intensive Agriculture, 1969.

Table J-4 Summary - Original Entries and Selections Allowed and Final Entries Under Homestead Acts in 17 Western States, 1934-66

State	ORIGINAL ENTRIES AND SELECTIONS		FINAL ENTRIES	
	Number	Acres	Number	Acres
Arizona	908	258,346	2,684	859,127
California	1,373	247,868	3,119	664,012
Colorado	1,109	352,002	2,578	729,346
Idaho	1,599	389,371	2,309	562,634
Kansas	---	---	---	---
Montana	1,468	489,156	4,747	1,168,294
Nebraska	5	414	215	22,184
Nevada	303	51,992	335	69,639
New Mexico	2,755	1,195,486	6,147	2,622,471
North Dakota	187	33,204	295	39,118
Oklahoma	4	376	14	1,030
Oregon	1,186	230,136	2,122	415,820
South Dakota	273	102,116	568	146,188
Texas	---	---	---	---
Utah	735	240,272	1,208	487,589
Washington	215	27,990	277	39,240
Wyoming	2,920	1,313,470	6,455	2,764,134
Total	15,040	4,932,199	33,073	10,590,826

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Policies Related to Intensive Agriculture, 1969.

Table J-5 Summary - Original Entries and Selections Allowed and Final Entries Under Desert Land Act in 17 Western States, 1934-66

State	ORIGINAL ENTRIES & SELECTIONS		FINAL ENTRIES	
	Number	Acres	Number	Acres
Arizona	256	56,698	236	47,034
California	708	141,852	443	63,553
Colorado	21	3,520	51	8,930
Idaho	1,876	439,468	1,196	244,379
Kansas	---	---	---	---
Montana	8	1,454	124	16,997
Nebraska	---	---	---	---
Nevada	1,270	336,396	521	130,952
New Mexico	109	23,454	76	12,027
North Dakota	---	---	---	---
Oklahoma	---	---	---	---
Oregon	832	24,131	164	17,568
South Dakota	---	---	1	76
Texas	---	---	---	--
Utah	182	37,509	137	22,502
Washington	4	638	20	1,525
Wyoming	199	35,038	243	45,136
Total	5,465	1,100,158	3,211	610,679

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Policies Related to Intensive Agriculture, 1969.

Table J-6 Summary - Final Entries Under Public Auction Sales in 17 Western States, 1934-66

State	Number	Acres
Arizona	535	94,506
California	1,577	215,508
Colorado	1,587	195,191
Idaho	960	115,265
Kansas	32	1,395
Montana	1,454	227,697
Nebraska	178	14,799
Nevada	357	55,256
New Mexico	824	226,402
North Dakota	136	8,615
Oklahoma	514	18,404
Oregon	382	92,350
South Dakota	273	38,175
Texas	---	---
Utah	635	137,062
Washington	324	72,958
Wyoming	707	111,015
Total	10,475	1,624,597

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Policies Related to Intensive Agriculture, 1969.

Table J-7 Summary of Patents in 17 Western States by Acts, 1950-1966

States	Homestead Acts		Desert Land Act		Public Auction[a/]		Exchange	
	Number	Acres	Number	Acres	Number	Acres	Number	Acres
Arizona	130	17,649	157	38,704	549	99,344	358	498,318
California	279	30,268	336	53,390	1,509	211,157	243	194,721
Colorado	149	23,219	20	3,540	1,533	192,365	157	135,784
Idaho	886	114,927	1,093	227,394	949	117,162	310	87,439
Kansas	---	---	---	---	24	1,122	---	---
Montana	717	68,867	9	1,616	1,336	198,545	127	267,399
Nebraska	139	13,848	---	---	257	19,874	---	280
Nevada	132	16,914	512	132,725	215	50,705	231	334,947
New Mexico	191	11,577	71	11,470	807	238,863	166	905,629
North Dakota	31	3,303	---	---	169	12,420	16	3,886
Oklahoma	6	688	---	---	229	13,040	---	---
Oregon	67	5,476	68	8,735	368	92,807	362	354,343
South Dakota	64	8,513	---	---	263	44,835	23	3,036
Texas	---	---	---	---	---	---	---	---
Utah	213	53,037	100	17,553	670	139,658	298	288,286
Washington	59	5,727	1	330	293	79,797	17	23,347
Wyoming	468	64,110	198	34,728	646	101,779	110	53,863
Total (1950-1966)	3,531	438,123	2,553	530,185	9,817	1,613,473	2,418	3,151,278

a/ No entries were made until 1967 under Public Sales Act of 1964.

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Policies Related to Intensive Agriculture, 1969.

Table J- Receipts for Original and Final Entries Under the Homestead Acts,[a/] Desert Land Act and Public Auction Sales in 17 Western States, 1934-66

State	Homestead Acts		Desert Land Act		Auction Sales
	Original Entries	Final Entries	Original Entries	Final Entries	
Arizona	$ 18,296	$ 34,379	$ 14,194	$ 73,783	$ 1,358,020
California	21,946	35,078	35,214	68,144	3,052,528
Colorado	23,684	32,193	898	7,276	1,414,696
Idaho	30,621	24,774	144,813	238,239	1,115,084
Kansas	---	---	---	---	10,844
Montana	33,610	125,979	380	17,102	1,238,379
Nebraska	55	569	---	---	90,918
Nevada	4,834	3,089	95,087	131,534	1,052,311
New Mexico	74,306	68,385	6,518	11,684	1,977,984
North Dakota	2,573	1,502	---	---	53,054
Oklahoma	40	43	---	---	343,080
Oregon	18,749	20,927	6,299	17,535	652,821
South Dakota	4,988	5,385	---	76	194,263
Texas	---	---	---	---	---
Utah	16,637	18,053	8,384	22,557	652,706
Washington	3,380	3,450	219	1,582	487,077
Wyoming	91,522	116,883	8,970	45,176	916,131
Total	$345,241	$490,689	$320,976	$634,688	$14,609,896

a/ Includes fees, commissions and purchase money.

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Related Policies Related to Intensive Agriculture, 1969.

Table J-9 Summary of Receipts for Original and Final Entries in 17 Western States, by Acts, 1934-66

Acts	Total Receipts		
	Original entries	Final entries	Totals
Homestead Acts	$345,241	$ 490,689	$ 835,930
Desert Land Act	320,976	634,688	955,664
Public Auctions	---	14,609,896	14,609,896
Exchanges	---	---	---
Totals	$666,217	$15,735,273	$16,401,490

Source: PLLRC Study by South Dakota State University, Federal Public Land Laws and Related Policies Related to Intensive Agriculture, 1969.

Section K - Alaska

Alaska was treated as a separate study by the Commission because of its vast Federal land ownership and its unique problems.

There have been significant withdrawals of land by various Federal agencies in Alaska and these acreages and location by agency are included in this section.

Military reservations in Alaska in 1967 and summaries of withdrawals by the Army, Air Force and Navy, by type, are shown.

The forested areas of Alaska, volume of timber cut by agency from 1950 through 1967, and the estimated wood products output by product and geographic origin in 1966 are shown. Exports to Japan for lumber and wood pulp from 1963 to 1967 are likewise shown.

All mineral production, nonfuel and energy fuel, their value and receipts, are not repeated in this section since they appear in Section D and E.

Value of timber harvests on the national forests in Alaska and payments to the State from 1950 through 1967 appear in this section.

For more specific information, the reader is referred to the Commission study of Alaska.

K- Alaska

Table

K-1 Acreage of Major Withdrawals in Alaska

K-2 Total Military Reservations in Alaska, August 1967

K-3 Summary of Department of the Army Withdrawals in Alaska by Type

K-4 Summary of Department of Air Force Withdrawals in Alaska by Type

K-5 Summary of Department of the Navy Withdrawals in Alaska by Type

K-6 Forested Areas of Alaska

K-7 Volume of Timber Cut by Agency in Alaska by Year, 1950-67

K-8 Estimated Major Wood Products Output in Alaska by Product and Geographic Origin, 1966

K-9 Exports of Wood Pulp from Alaska to Japan, 1963-67

K-10 Exports of Cants from Alaska to Japan, 1963-67

K-11 Value of Timber Harvest from National Forests in Alaska and Payments to State, by Year, 1950-67

Table K 1 Acreage of Major Withdrawals in Alaska a/

Agency	Acres	Area or Title
Department of Defense	23,000,000	Pet 4
	3,000	Point Lay
	3,000	Point Spencer
	2,500	Galena
	3,000	Indian Mountain
	34,000	Clear
	655,000	Ladd Air Force Base
	256,000	Ladd - Eielson
	607,800	*Test Range
	623,500	Fort Greeley - Granite
	4,000	McGrath
	8,000	Unala
	5,000	Cape Romanzof
	1,000	Mount Spur
	5,500	Middleton Island
	2,500	Cape Newenham
	61,000	Adak
	12,000	Attu
	7,000	Fairbanks Area
	70,000	Anchorage Area
Bureau of Indian Affairs, U.S.D.I.	1,408,000	Chandalar N.R.
	144,000	Kobuk (Noorvik) N.R.
	3,000	Little Diomede N.R.
	7,000	Wales N.R.
	316,000	Norton Bay N.R.
	768,000	Tetlin N.R.
	1,205,000	St. Lawrence R.S.
	1,500	Akaiak N.R.
	2,000	Eklutna N.R.
	27,000	Tyonek N.R.
	35,000	Karluk N.R.
	72,000	Akutan N.R.
	115,000	Annette Island (Metlakatla)

Footnotes appear at end of table.

(Con't.)

Table K 1 Acreage of Major Withdrawals in Alaska - Con't.

Agency	Acres	Area or Title
Bureau of Indian Affairs, U.S.D.I.	48,000	Cape Denbigh Reindeer Stn.
	1,000	Copper Center School
	1,000	Tatitlek N.R.
	1,000	Mountain Village
	1,000	White Mountain School
	6,500	Point Hope School
	1,000	Angoon Administrative Site
	500	Miscellaneous School Sites
	500	Misc. Administrative Sites
	500	Other Miscellaneous
Fish and Wildlife Service, U.S.D.I.	1,000	Chamisso N.W.R.
	8,900,000	Artic N.W.R.
	41,000	Bering Sea N.W.R.
	1,109,500	Nunivak
	7,000	Hazen Bay N.W.R.
	1,870,000	Rhodes N.W.R.
	415,000	Izenbek N.W.R.
	6,500	Tuxedni N.W.R.
	1,730,000	Kenai Moose Range
	8,500	Semidi N.W.R.
	1,815,000	Kodiak Bear Range
	3,000	Forrester Island N.W.R.
	10,500	Simeonof N.W.R.
	2,720,000	Aleutian Island N.W.R.
	500	Bogoslof N.W.R.
	50,000	Pribilof Islands
	200	Miscellaneous
National Park Service, U.S.D.I.	1,939,000	McKinley N.P.
	2,826,500	Glacier Bay N.M.
	2,698,000	Katmai N.W.
Alaska Power Administration, U.S.D.I.	5,000	*Eklutna Project

Footnotes appear at end of table.

(Con't.)

Table K 1 Acreage of Major Withdrawals in Alaska - Con't.

Agency	Acres	Area or Title
Forest Service, U.S.D.A.	4,726,000	*Chugach N. F.
	16,015,904	*Tongass N.F.
Geological Survey, U.S.D.I.	80,000	*Power Site Reserves
	9,280,000	*Power Site Classifications
Federal Power Commission	238,937	*Power Projects
Bureau of Land Management, U.S.D.I.	1,000	Montague Island Abandoned Military Reserve
	8,000	*Paxson Lake Classification
	2,000	Cascade Creek Timber Reserve
	2,000	Muddy River Timber Reserve
	500	*Portage Classification
	7,500	Taiya Inlet Classification
	500	*Broad Pass Material Site
	5,000	*Lake George Recreation
	1,000	*Miles Lake Recreation
	1,000	*Eagle Recreation
	2,000	*Clear Creek Recreation
	1,000	Miscellaneous Abandoned Military Reserves
	1,000	Miscellaneous Administrative Sites
	2,000	*Miscellaneous Recreation
	26,500	Miscellaneous Patented and Unpatented Townsites

a/ F.F.C. Report, Alaska Natives and the Land, prepared by the Federal Field Committee for Development Planning in Alaska (October 1968)

* These withdrawals are open for mineral leasing.

Source: U. S. Department of the Interior, Bureau of Land Management. Anchorage, Alaska

Table K-2 Total Military Reservations in Alaska, August 1967

U.S. Army (for military purposes)	2,318,000	acres
U.S. Army Corps of Engineers (for Civil Works Projects)	9,015,900	
U.S. Army National Guard[a/]	40	
U.S. Air Force	130,600	
U.S. Air Force Communications Service	2,400	
U.S. Navy[b/]	130,800	
TOTAL[b/]	11,597,740	acres

a/ No comparable information was given by the Air Force. However, the Statistical Abstract for the United States - 1967 lists only two Air Force National Guard units in Alaska.

b/ Excluding Naval Petroleum Reserve.

Source: PLLRC Study by the University of Wisconsin, Federal Land Laws and Policies in Alaska, 1969

Table K-3 Summary of Department of the Army Withdrawals in Alaska by Type

Type of Withdrawal	Acres	
Public Law Withdrawals	1,485,647.67	
Public Land Order Withdrawals	715,087.91	
Public Land Records Notations	3,781.82	
Special Use Permit	57,811.98	
Executive Order Withdrawals	55,713.82	
TOTAL	2,318,043.20	acres

Source: PLLRC Study by the University of Wisconsin, Federal Land Laws and Policies in Alaska, 1969.

Table K-4 Summary of Department of the Air Force Withdrawals, by Type

Type of Withdrawal	Acres
Public Land Order Withdrawals	121,542,86
Executive Order Withdrawals	6,589,28
Public Land Records Notations Withdrawals	2,299.32
Special Land Use Permits	126.75
TOTAL ACRES	130,558.21

Source: PLLRC Study by the University of Wisconsin, Federal Land Laws and Policies in Alaska, 1969

Table K-5 Summary of Department of the Navy Withdrawals in Alaska by Type

Type of Withdrawal	Acres
Public Land Order Withdrawals	119,575.6
Special Land Use Permit[a/]	9,310.0
Executive Order Withdrawals	1,935.0
TOTAL	130,820.6

a/ The Navy had a special Land Use Permit from the Fish and Wildlife Service, Department of the Interior, for its Naval Station at Adak and Great Sitkin Islands. The Department of the Navy returned the Permit on December 23, 1963, but until the Fish and Wildlife Service acknowledges its return, the Permit will be shown on a Navy inventory.

Source: PLLRC Study by the University of Wisconsin, Federal Land Laws and Policies in Alaska, 1969.

Table K-6 Forested Areas of Alaska

(1,000 Acres)

Region	Total Land Area	Forest Land			
		Commercial	Productive-Reserved	Unproductive	Total
1. Coastal (SE plus Chugach)	32,926	5,749	194	7,304	13,247
2. Interior	332,555	22,469	6	83,329	105,804
Total, Alaska	365,481	28,218	200	90,633	119,051

Source: United States Forest Service Resource Bulletins PNW-9 and PNW-19, Pacific Northwest Forest and Range Experiment Station, Portland.

Table K 7 Volume of Timber Cut by Agency in Alaska by Year, 1950-67

(1000 Board Feet)

Year	Forest Service		B.L.M.	Total
	Tongass Natl. Forest	Chugach Natl. Forest		
1950	54,437	5,424	12,396	72,357
1951	52,894	5,803	11,775	70,472
1952	62,357	2,159	22,825	87,341
1953	59,196	4,665	19,916	83,777
1954	109,237	1,775	10,462	121,474
1955	213,785	4,981	12,348	231,114
1956	230,198	2,021	24,797	257,016
1957	226,384	3,947	33,796	264,127
1958	167,520	8,216	20,292	196,028
1959	266,591	7,596	11,724	285,911
1960	347,496	3,613	14,229	365,338
1961	338,206	7,117	11,342	356,665
1962	366,275	7,157	5,936	379,368
1963	395,145	3,847	3,620	402,612
1964	445,109		5,666	450,775
1965	404,444		3,263	407,757
1966	476,000		848	476,848
1967	540,000est.		900est.	540,900

Source: Tussing et al, Alaska-Japan Economic Relations, p. 183.

Table K-8 Estimated Major Wood Products Output in Alaska by Product and Geographic Origin, 1966

Product and Origin	Volume
LOGS (Mbf log scale)	
North Panhandle	6,500
South Panhandle	8,000
CANTS (Mbf cant scale)	
North Panhandle	31,000
South Panhandle	116,000
LUMBER (Mbf estimated mill tally)	
Panhandle	11,000
Western and Interior	14,000
PULP (production tons)	
Sitka	180,000
Ketchikan	210,000

Source: University of Alaska, Forest Resource Utilization in Alaska, Institute of Social, Economic, and Government Research, Review of Business and Economic Conditions, Vol. IV, No. 5.

Table K-9 Exports of Wood Pulp from Alaska to Japan, 1963-67

Year	Dissolving grade			Bleached sulfate		
	Volume short tons	Value		Volume short tons	Value	
1963	128,198	$18,697,611	$145.85/ton	31,913	$3,018,345	$ 94.58/ton
1964	128,590	19,182,189	149.17	33,325	3,390,216	101.73
1965	116,099	17,131,563	147.56	36,777	2,875,414	105.38
1966	139,081	20,726,304	149.02	36,212	3,300,870	91.15
1967: (through June)	71,352	10,653,482	149.31	12,474	1,258,702	100.91

Source: Alaska State Department of Commerce, Juneau.

Table K-10 Exports of Cants from Alaska to Japan, 1963-67

Species and Year	Volume (1000 bd.ft.)	Total Value	Value Per Unit
Hemlock			
1963	6,156	$ 356,009	$57.83/Mbf
1964	6,064	347,009	57.36
1965	12,500	801,904	64.15
1966	23,922	1,447,481	60.33
1967 est.	27,972	1,743,215	62.32
Sitka Spruce			
1963	43,053	2,781,965	64.62/Mbf
1964	70,277	4,219,132	60.04
1965	65,348	4,380,686	67.14
1966	110,348	7,231,384	65.53
1967	175,933	10,907,846	61.93
Cedar			
1963	5,930	187,726	31.66
1964	12,429	388,152	31.23
1965	378	12,089	31.98
1966	1,052	72,082	68.52
1967	n.a.	n.a.	n.a.
Total Cant Production			
1963	55,139	3,325,700	60.22
1964	88,770	4,954,293	55.73
1965	78,126	5,194,679	66.43
1966	135,322	8,750,947	64.63
1967	203,905	12,651,061	64.20

Source: State of Alaska Department of Commerce, Correspondence with Commissioner George Sharrock, April 8, 1968.

U.S. Forest Service, Pacific Northwest Forest and Range Experiment Station, Correspondence with Thomas E. Hamilton, February 8, 1968.

n.a. - not available.

Table K 11 Value of Timber Harvest from National Forests in Alaska and Payments to State by Year, 1950-67

Year	Total Value (Stumpage)	Average Value Per MBF	Payments to State from Timber Receipts (25% Fund)[a]
CY 1950	$ 132,388	$2.21	$ 2,666.27
CY 1951	163,764	2.79	2,271.61
CY 1952	211,617	3.23	3,059.25
CY 1953	217,776	3.41	2,113.71
CY 1954	304,172	2.74	2,335.88
CY 1955	503,161	2.30	455,086.93
CY 1956	545,714	2.35	144,923.37
CY[a] 1957	247,826	2.07	136,080.56
FY 1958	467,132	2.29	39,707.66[b]
FY 1959	548,976	2.43	146,986.06
FY 1960	732,440	2.30	186,940.19
FY 1961	910,195	2.56	199,141.82[c]
FY 1962	914,372	2.64	158,465.36
FY 1963	911,187	2.43	205,206.93
FY 1964	923,289	2.20	228,953.06
FY 1965	870,082	2.03	209,851.60
FY 1966	1,201,250est.	2.50est.	300,375.00est.
FY 1967	1,480,750est.	2.50est.	370,187.50est.

a/ Includes 25% Fund payment to territory for Fiscal Years 1947-1955 (inclusive) from impounded Tongass Timber Fund.

b/ Calendar Year 1957 entry includes cut for period January 1 to June 30, 1957 only.

c/ Payment bond furnished by Ketchikan Pulp Co. ($250,000). Total value should include KY-FY 1958 does not include KV; FY 1959 does.

Source: U.S.F.S. - Region 10, Tongass National Forest Management Plan

Section L - Use and Occupancy

Area data on occupancy uses on Section 10 lands were very limited. Such data were available only for the Department of Agriculture and the Department of the Interior. These data have been combined for every other year from 1959 through 1965 because the Department of Agriculture reports only on a biennial basis. Other agencies which have jurisdiction over both Section 10 and other lands, do not maintain separate records for occupancy use on these lands.

The geographical distribution of occupancy uses (as to Eastern and Western U.S.) has been shown for the Forest Service for every other year, 1959-1965.

Acreage of Section 10 land disposed of for urban occupancy uses is shown by State and by law for the Bureau of Land Management and for the Forest Service. Records are not maintained of the specific occupancy use made of lands disposed of. It is only by association with the law under which the land was disposed that some assumptions could be made as to land disposed of for urban use. The best estimates of specific occupancy uses made of lands disposed of during the period 1958-67 have been included in a table in this section.

Section 10 lands used by noncontrolling agencies by authorizing instrument, 1958-67, are presented. Forest Service data on memoranda of understanding were not included because the data were not available for each year of the full period. Only Forest Service data for every other year from 1957 through 1965 was included.

Acreage of Section 10 Land in Natural Areas, by agency and type, is shown. Data were not available on the acreage within Natural Areas of all ownerships in the United States.

L - Use and Occupancy

Table

L-1 Summary of Acreage in Occupancy Use on Section 10 Lands, Retained by the Forest Service, by Use and Location, for 1959, 1961, 1963, and 1965

L-2 Summary of Acreage in Occupancy Use on Section 10 Lands, Retained by the Department of Agriculture and the Department of the Interior, by Use for 1959, 1961, 1963, and 1965

L-3 Disposals of Section 10 Land for Urban Occupancy by Bureau of Land Management, Indicating Applicable Law, Year and Geographic Area, 1953 - 1967

L-4 Section 10 Land Disposed of for Urban Occupancy by Forest Service, by Applicable Law and by Geographic Area and Year, 1953-1967

L-5 Status of Vacation Home Sites on Federal Land, 1967

L-6 Number of Occupied Sites in National Forests for 1947 to 1967

L-7 Vacation Home Permits Terminated on National Forest, 1916 - 1967

L-8 Vacation Home Permits in National Forests, by Census Region and State, 1968

L-9 Occupancy Use of Section 10 Lands by Noncontrolling Federal Agencies, 1958 - 1967

L-10 Section 10 Lands Used by Noncontrolling Federal Agencies, by Occupancy Use, 1958 - 1967

L-11 Section 10 Lands Used by Noncontrolling Federal Agencies, by Authorizing Instrument, 1958 - 1967

L-12 Forest Service Section 10 Lands Used by Other Federal Agencies Under Memorandum of Understanding, 1957 - 1965

L-13 Summary of Section 10 Land in Natural Areas, by Agency and Type

L-14 Summary of Acreage of Disposed Lands Under All Laws by Occupancy Use, by Federal Agency, for Contiguous United States, 1958 - 1967

Table L-1 Summary of Acreage in Occupancy Use on Section 10 Lands, Retained by the Forest Service, by Use and Location, for 1959, 1961, 1963, and 1965 [a]

Use by Location	1959	1961	1963	1965
Transportation				
Western U.S.	4,042	10,882	12,574	13,907
Eastern U.S.	2,494	3,236	4,219	16,591
Utility				
Western U.S.	5,210	8,204	17,046	34,922
Eastern U.S.	6,334	24,125	21,813	39,748
Communications				
Western U.S.	723	906	1,053	3,220
Eastern U.S.	24,419	831,811	816,203	829,907
Water Transmission				
Western U.S.	2,809	4,840	7,610	5,056
Eastern U.S.	2,433	2,452	9,572	3,122
Residential				
Western U.S.	17,288	14,000	11,602	9,524
Eastern U.S.	4,500	5,372	3,310	3,347
Light Industrial/Commercial				
Western U.S.	7,956	10,295	16,230	9,847
Eastern U.S.	41,152	43,126	40,871	6,588
Heavy Industrial				
Western U.S.	2,329	2,297	1,846	1,088
Eastern U.S.	308	291	388	122
Community				
Western U.S.	8,018	11,647	11,470	11,793
Eastern U.S.	7,839	3,616	3,817	4,252
Reservoir Flowage				
Western U.S.	283,220	124,263	137,096	320,680
Eastern U.S.	101,605	123,485	176,081	230,094
Education/Science/Research				
Western U.S.	24,249	55,316	462,289	68,933
Eastern U.S.	39,086	17,158	19,971	19,514
Military				
Western U.S.	451,857	548,335	700,524	619,642
Eastern U.S.	730,938	1,250,115	3,183,463	3,454,158
Other Federal Government [b]				
Western U.S.	-	454	10	4
Eastern U.S.	160	190	190	190
Other non-Federal Government [b]				
Western U.S.	156	868	1,338	4,244
Eastern U.S.	239	522	612	559
Total, All Uses				
Western U.S.	807,857	792,307	1,380,688	1,102,860
Eastern U.S.	961,507	2,305,499	4,280,510	4,608,192

[a] Based primarily on Bienniel Reports on Special Use Permits. Reports discontinued after 1965 in anticipation of computerization.

[b] Undesignated Uses.

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occucancy" Vol. II; Daniel Mann, Johnson, and Mendenhall; September, 1969.

Table L-2 Summary of Acreage in Occupancy Use on Section 10 Lands, Retained by the Department of Agriculture and the Department of the Interior, by Use for 1959, 1961, 1963, and 1965

Use by Department	1959	1961	1963	1965
Transportation				
Department of Agriculture	6,536	14,118	16,793	30,498
Department of the Interior	7,076	8,973	13,853	15,814
Total	13,612	23,091	30,646	46,312
Utilities				
Department of Agriculture	11,544	32,329	38,859	74,670
Department of the Interior	29,909	31,458	30,871	31,513
Total	41,453	63,787	69,730	106,183
Communications				
Department of Agriculture	25,142	832,717	817,256	833,127
Department of the Interior	179	376	608	876
Total	25,321	833,093	817,864	834,003
Water Transmission				
Department of Agriculture	5,242	7,292	17,182	8,178
Department of the Interior	153	140	197	1,290
Total	5,395	7,432	17,379	9,468
Residential				
Department of Agriculture	21,788	19,372	14,912	12,871
Department of the Interior	572	567	496	466
Total	22,360	19,939	15,408	13,337
Light Industrial/Commercial				
Department of Agriculture	49,108	53,421	57,101	16,435
Department of the Interior	1,252	1,390	3,355	18,468
Total	50,360	54,811	60,456	34,903

(Cont.)

Table L-2 - Cont.

Use by Department	1959	1961	1963	1965
Heavy Industry				
Department of Agriculture	2,637	2,588	2,234	1,210
Department of the Interior	308	308	318	318
Total	2,945	2,896	2,552	1,528
Community				
Department of Agriculture	15,857	15,263	15,287	16,045
Department of the Interior	3,218	1,066	1,405	5,844
Total	19,075	16,329	16,692	21,889
Reservoir Flowage				
Department of Agriculture	384,825	247,748	313,177	550,774
Department of the Interior	630	10	1,066	711
Total	385,455	247,758	314,243	551,485
Education/Science/Research				
Department of Agriculture	63,335	72,474	482,260	88,447
Department of the Interior	876	900	894	1,141
Total	64,211	73,374	483,154	89,588
Military				
Department of Agriculture	1,182,795	1,798,450	3,883,987	4,073,800
Department of the Interior	860,040	3	3	82
Total	2,042,835	1,798,453	3,883,990	4,073,882
Other Federal Government[a/]				
Department of Agriculture	160	644	200	194
Department of the Interior	13,169	13,181	13,742	13,712
Total	13,329	13,825	13,942	13,906

a/ Undesignated use.

(Cont.)

Table L-2 - Cont.

Use by Department	1959	1961	1963	1965
Other Non-Federal Government[a/]				
Department of Agriculture	395	1,390	1,950	4,803
Department of the Interior	535	720	727	727
Total	930	2,110	2,677	5,530
All Uses				
Department of Agriculture	1,769,364	3,097,806	5,661,198	5,711,052
Department of the Interior	917,917	59,092	67,535	90,962
Total	2,687,281	3,156,898	5,728,733	5,802,014

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occupancy" Vol. II; Daniel Mann, Johnson, and Mendenhall; September, 1969.

Table L-3 Disposals of Section 10 Land for Urban Occupancy by Bureau of Land Management Indicating Applicable Law, Year and Geographic Area, 1953-67

Year Disposed By Law	Acres Disposed by Geographic Area[a]										
	Arizona	California	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	Eastern Census Regions	Total United States
Small Tract Act[b]											
1953	214	239	8	1	160	60	35				717
1954	2,896	412	16	4		167	106		10		3,611
1955	2,896	943	35			1,140	161	5	85		5,265
1956	3,026	2,357	34	8		6,470	176	5	83	5	12,164
1957	3,026	3,629	45	10		6,300	573	5	25		13,613
1958	4,080	3,033	171	9	10	4,050	1,269	10	55		12,687
1959	5,866	4,218	177	34	5	5,420	1,249	172	142		17,283
1960	6,126	4,176	138			8,420	681	204	78		19,823
1961	1,617	4,051	130			3,210	346	43	69		9,466
1962	1,277	1,053	149	1		2,670	444	7	46		5,647
1963	285	503	125	6	15	1,750	1,496	25	83		4,288
1964	324	436	87			880	350	5	86		2,168
1965	168	413	88	9		200	225		5		1,108
1966	5	154	118			120	35		10		442
1967	n/d	49	72			20	11		21	4	177
1953-67	31,806	25,666	1,393	82	190	40,877	7,157	481	798	9	108,459
Recreation and Public Purposes Act											
1953											
1954											
1955					19			20			39
1956	1,519[b]	4			33			90			1,646
1957	1,519	120				210		235			2,084
1958	120	244				34	78	45	841	627	1,989
1959		120	5		35	289	471		296	633	1,849
1960		1,699	40		40	3	357	254	160	1,288	3,841
1961		1,156			37	110	510	10	56	120	1,999
1962	258	209	40			40	100	40	83	80	850
1963	68	2,205				81	42	149	10	110	2,665
1964	80	2,103	99		651	471	140	22	159	659	4,384
1965	40	1,689	40		329	177	17		21	420	2,733
1966	21		5		35	42	737	17	51	1,009	1,917
1967	2	182			10		2,276		118	61	2,649
1953-67	3,627	9,731	229	n/d	1,189	1,457	4,728	882	1,795	5,007	28,645
Public Land Sale Act											
1953									8,329	668	8,997
1954									9,878	4,098	13,976
1955									8,331	2,921	11,252
1956									3,588	120	3,708
1957									6,216	447	6,663
1958									5,791	40	5,831
1959									6,053	202	6,255
1960									7,636		7,636
1961							271		2,758	80	3,109
1962							2,141		7,395		9,536
1963							40		6,302		6,342
1964							2,089		9,817	130	12,036
1965							1,910		5,110	40	7,060
1966							828		4,144		4,972
1967						157	911		4,397		5,465
1953-67						157	8,190		95,745	8,746	112,838
Townsite Laws											
1953		50		11	n/a						61
1954	8	17			n/a					10	35
1955		3			n/a						3
1956		2	3		n/a						5
1957					n/a						
1958					n/a					10	10
1959		28	74		1					10	113
1960		6	2		9						17
1961		7									7
1962		14			18					2	34
1963		12									12
1964		1		74							75
1965	29	1		80		65			62		237
1966	17	6				36					59
1967	1	4						6		10	31
1953-1967	55	151	79	165	28	101		6	62	42	699

[a] Data not available for Washington; only 10 acres reported in Oregon for 1967 under Townsite Laws.

n/d = No Disposals.
n/a = Data Not Available per agency report.

Source: Same as Table L-1.

Table L-4 Section 10 Land Disposed of for Urban Occupancy by Forest Service, by Applicable Law and by Geographic Area and Year, 1958-1967

(Acres)

Year	General Forest Exchange Act of March 20, 1922							Weeks Law Eastern Census Regions	Bankhead Jones Act Eastern Census Regions	Forest Omnibus Act of Oct. 23, 1962[a]
	Arizona	California	Colorado	New Mexico	Utah	Eastern Census Regions	Total United States			
1958	212						212	9		
1959	50	19					69			
1960	7,707	158		80			7,945	11		
1961	1,297	601					1,898			
1962	1,536	290		3,600	1		5,427	42		
1963	3,858	612					4,470	39		
1964	3,045	679		240			3,964			
1965	2,789	840				19	3,648			
1966	1,348	527	70	255			2,200	414	159	4
1967	667	545		78	1		1,291	324	26	
1958-67	22,509	4,271	70	4,253	2	19	31,124	839	185	4

a/ 2 acres in Idaho and 2 acres in Utah.

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occupancy" Vol. II; Daniel Mann, Johnson, and Mendenhall; September, 1969.

Table L-5 Status of Vacation Home Sites on Federal Land, 1967

Location	Number of Vacation Home Sites		
	Total	Occupied	Unoccupied
U.S. Forest Service:			
Region 1	1,112	1,087	25
Region 2	1,588	1,588	-
Region 3	1,852	1,852	-
Region 4	2,115	1,865	250
Region 5	8,918	8,918	-
Region 6	2,519	2,383	136
Region 8[a/]	451	451	-
Region 9[a/]	1,011	1,011	-
Total U.S. Forest Service	19,566	19,155	411
National Park Service	169	169	-
National Recreation Areas:			
Coulee Dam	27	27	-
Lake Mead	142	142	-
Total	19,735	19,324	411

a/ Forest Service Region 7 was incorporated into Regions 8 and 9 prior to 1967.

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occupancy" Vol. II; Daniel Mann, Johnson, and Mendenhall; September, 1969.

Table L-6 Number of Occupied Sites in National Forests from 1947 to 1967

Year	Occupied Sites
1947	51,089
1949	16,187
1951	16,594
1953	16,668
1955	17,728
1657	18,057
1959	18,905
1961	19,335
1963	19,406
1965	19,323
1967	19,155

Source: U.S. Forest Service.

Table L-7 Vacation Home Permits Terminated on National Forest, 1916 - 1967

Year	No. of Permits Terminated
1916 through 1951	200
1952	0
1953	1
1954	1
1955	10
1956	2
1957	4
1958	3
1959	17
1960	13
1961	32
1962	23
1963	88
1964	12
1965	10
1966 and first half 1967	77
Total	433

Source: U.S. Forest Service.

Table L-8 Vacation Home Permits in National Forests, by Census Region and State, 1968

Census Regions	Number
West	(17,479)
Washington	1,001
Oregon	1,409
California	9,060
Arizona	1,524
Nevada	154
Utah	629
Idaho	628
Montana	878
Wyoming	1,082
Colorado	787
New Mexico	327
North Central	(1,009)
Michigan	227
Minnesota	531
South Dakota	215
Wisconsin	36
Northeast	(213)
Pennsylvania	213
South	(456)
Kentucky	17
Arkansas	7
Florida	193
Georgia	34
Louisiana	88
Mississippi	4
North Carolina	27
Tennessee	78
Virginia	6
West Virginia	2
U. S. (43-State) Totals	19,160

Source: U. S. Forest Service

Table L-9 Occupancy Use of Section 10 Lands by Noncontrolling Federal Agencies, 1958-67

(Acres)

Agency	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Atomic Energy Commission	-	369,280	369,280	369,280	369,280	471,996	471,996	471,996	471,996	471,996
Army	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	3,791
Air Force	80	-	-	80	-	7,520	9,490	6,360	-	10,960
Navy	3,920	4,760	2,500	2,720	2,939	29,179	29,244	29,179	40,514	87,779
Corps of Engineers	-	-	-	-	-	-	-	2	2	2
Bureau of Reclamation	3,743	880	155	-	5	1,783	1,772	1,625	33,295	1,917
Bureau of Land Management	-	-	-	-	40	-	1,180	2,550	1,520	2,240
Bureau of Indian Affairs	80	60	60	61	300	60	60	150	182	357
National Park Service	-	-	-	-	-	840	2	1,180	320	-
U.S. Geologic Service	1	1	1	1	1	1	1	1	1	1
Bureau of Sport Fisheries and Wildlife	1	45	45	45	45	45	45	205	45	45
Forest Service	-	-	-	-	-	3	3	1	1	3,596
International Boundary and Water Commission	561	561	561	561	561	561	561	561	561	561
Federal Aviation Administration	-	-	-	-	-	620	-	-	-	-
Department of Justice	20	-	-	-	-	-	-	40	40	-
Bureau of Public Roads	-	-	240	-	-	-	-	-	-	-
Coast Guard	219	219	219	219	219	219	229	229	229	229
U.S. Weather Bureau	-	-	-	-	-	7	-	-	-	-
Total	11,217	378,398	375,653	375,559	375,982	515,426	517,175	516,671	551,298	583,474

Source: Same as for Table L-1

Table L-10 Section 10 Lands Used by Noncontrolling Federal Agencies, by Occupancy Use,[a] 1958-67

(Acres)

Occupancy Use	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Transportation	1,300	600	240	-	-	3	1,775	1,691	34,571	4,013
Utilities	-	60	-	-	-	-	-	1,620	80	4,045
Communications	1,698	-	-	1	280	700	-	160	242	307
Water Transportation	786	221	156	1	6	1	3	1	1	1
Community Facilities	-	-	-	-	-	1,703	1,180	837	407	7
Education, Science, and Research	-	369,280	369,280	369,280	369,280	471,996	471,996	471,996	471,996	471,996
Military	6,592	7,352,	5,092	5,392	5,531	39,291	41,326	38,131	43,106	102,210
Other Federal Government [b]	841	885	885	885	885	1,732	895	2,235	895	895
Total	11,217	378,398	375,653	375,559	375,982	515,426	517,175	516,671	551,298	583,474

a/ No data were reported for the following occupancy uses: Residential, Industrial/Commercial, Heavy Industrial, Reservoir Flowage, Other Non-Federal Government.
b/ Undesignated Uses.

Note: Forest Service data not included as only odd-numbered years from 1959-1965 were reported separately.

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occupancy" Vol. II; Daniel, Mann, Johnson, and Mendenhall; September, 1969.

Table L-11 Section 10 Lands Used by Noncontrolling Federal Agencies, by Authorizing Instrument, 1958-67

(Acres)

Authorizing Instrument	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Permit	300	369,544	369,544	369,624	369,544	479,783	483,535	478,638	472,918	526,755
Agreement	7,134	7,974	5,714	5,934	6,153	32,393	32,458	32,553	43,728	50,127
44LD513	3,783	880	395	1	280	2,403	1,182	4,300	34,652	6,592
Memorandum of Understanding a/					5	847		1,180		
Total	11,217	378,398	375,653	375,559	375,982	515,426	517,175	516,671	551,298	583,474

a/ Does not include Forest Service data. See Table L-12.

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occupancy" Vol. II; Daniel Mann, Johnson, and Mendenhall; September, 1969.

Table L-12 Forest Service Section 10 Lands Used by Other[a] Federal Agencies Under Memorandum of Understanding, 1957-65

(Acres)

Occupancy Use	1957	1959	1961	1963	1965
Transportation	-	45	-	348	10
Utilities	1,264	1,264	1,681	7,726	13,355
Communication	100	172	121	511	2,477
Water Transportation	-	-	-	578	578
Community Related	35,031	41,801	41,980	67,140	249,192
Education, Science, and Research	-	49	49	28,979	86
Military	1,051,074	1,175,115	1,652,105	2,951,319	3,140,946
Other Non-Federal Government[b]	2,039	2,194	2,678	2,227	4,137
Total	1,089,508	1,220,640	1,698,614	3,058,828	3,410,781

a/ Using agency not available.
b/ Undesignated Uses.

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occupancy" Vol. II; Daniel, Mann, Johnson, and Mendenhall; September, 1969.

Table L-13 Summary of Section 10 Land in Natural Areas, by Agency and Type

(Acres)

Type	A G E N C Y						Total
	BSF&W	NPS	AEC	Agricul. Research Service	F. S. a/	BLM	
Aquatic	2,646	7,140			463	1,800	12,049
Forest	28,347	32,400		400	2,892	55,410	119,449
Central and Eastern Grassland	5,958					1,136	7,094
Western Grassland	10,422		16,000			23,480	49,902
Paleontologic	1,340	7,200				11,038	19,578
Other Vegetative Types	587					21,610	22,197
Zoologic	2,407					33,253	35,660
Glacial		48,240					48,240
Geologic		11,130					11,130
Geomorphologic						564,568	564,568
Total	51,707	106,110	16,000	400	3,355	712,295	889,867

a/ As of 1967.
b/ As of 1968.
c/ Proposed as of 1967.

Source: PLLRC "Study of Federal Public Land Laws and Policies Relating to Use and Occupancy" Vol. II; Daniel Mann, Johnson, and Mendenhall; September, 1969.

Table L-14 Summary of Acreage of Disposed Lands Under All Laws by Occupancy Use, by Federal Agency, for Contiguous Unites States, 1958 - 1967

(Acres)

Occupancy Use	F. S.	BLM	NPS	BOR	Total
Transportation	2,259	3,643	185	-	6,087
Utilities	-	-	-	-	-
Communications	-	-	-	-	-
Water Transmission	-	124	-	-	124
Residential	32,157	288,989	-	193	321,339
Light Industrial and Commercial	-	136,534	36	7	136,577
Heavy Industrial	-	11,960	-	-	11,960
Community Facility	-	30,454	-	21	30,485
Reservoir Flowage	-	-	-	-	-
Education, Science and Research	-	13,633	-	-	13,633
Military	-	-	-	-	-
Other (undesignated) Federal Government	-	-	-	-	-
Other (undesignated) Non- Federal Gov't.	-	19,817	2,577	-	22,394
Total	34,416	505,164	2,798	221	542,599

Source: PLLRC - "Study of Federal Public Land Laws and Policies Relating to Use & Occupancy" by Daniel, Mann, Johnson and Mendenhall, September, 1969.

Bureau of Land Management
Library
Bldg. 50, Denver Federal Center
Denver, CO 80225

Followed by Volume II, p. i

Bureau of Land Management
Library
Bldg. 50, Denver Federal Center
Denver, CO 80225